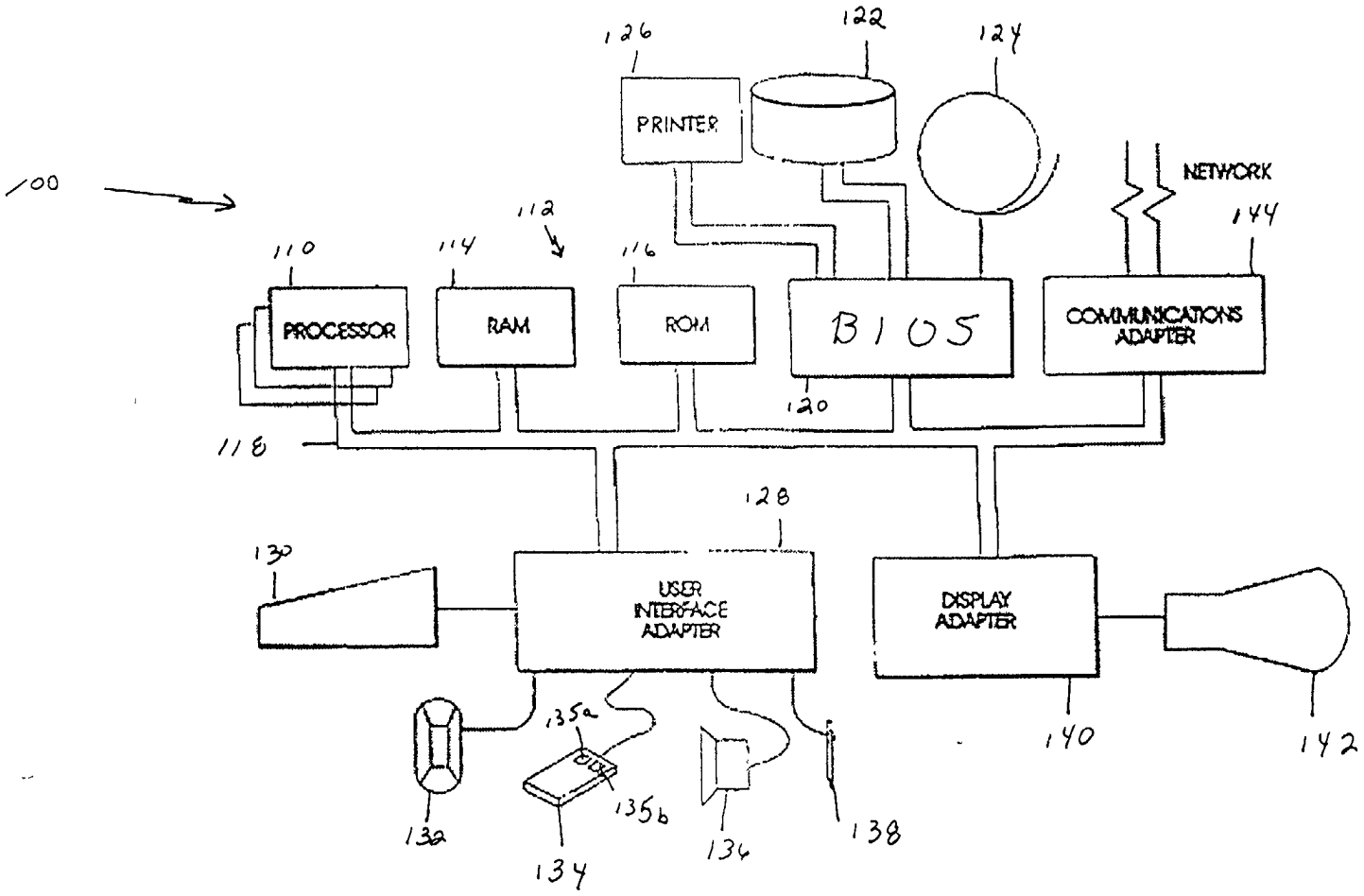

100
126
PRINTER
122
124
NETWORK
144
112
110
PROCESSOR
114
RAM
116
ROM
BIOS
120
COMMUNICATIONS ADAPTER
118
128
130
USER INTERFACE ADAPTER
DISPLAY ADAPTER
135a
135b
132
134
136
138
140
142

FIG. 1

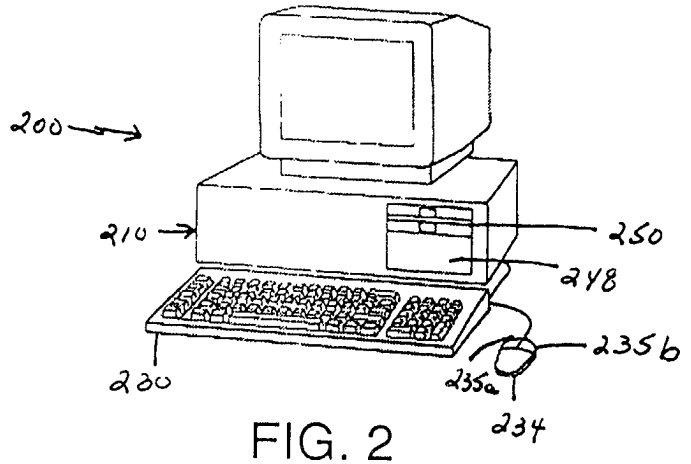


FIG. 2

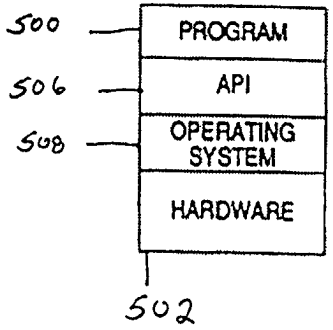


FIG. 3A

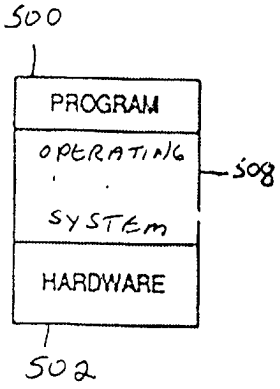


FIG. 3B

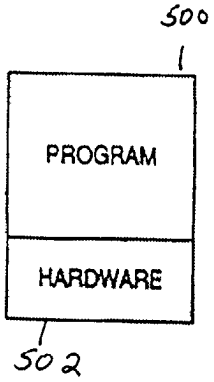


FIG. 3C

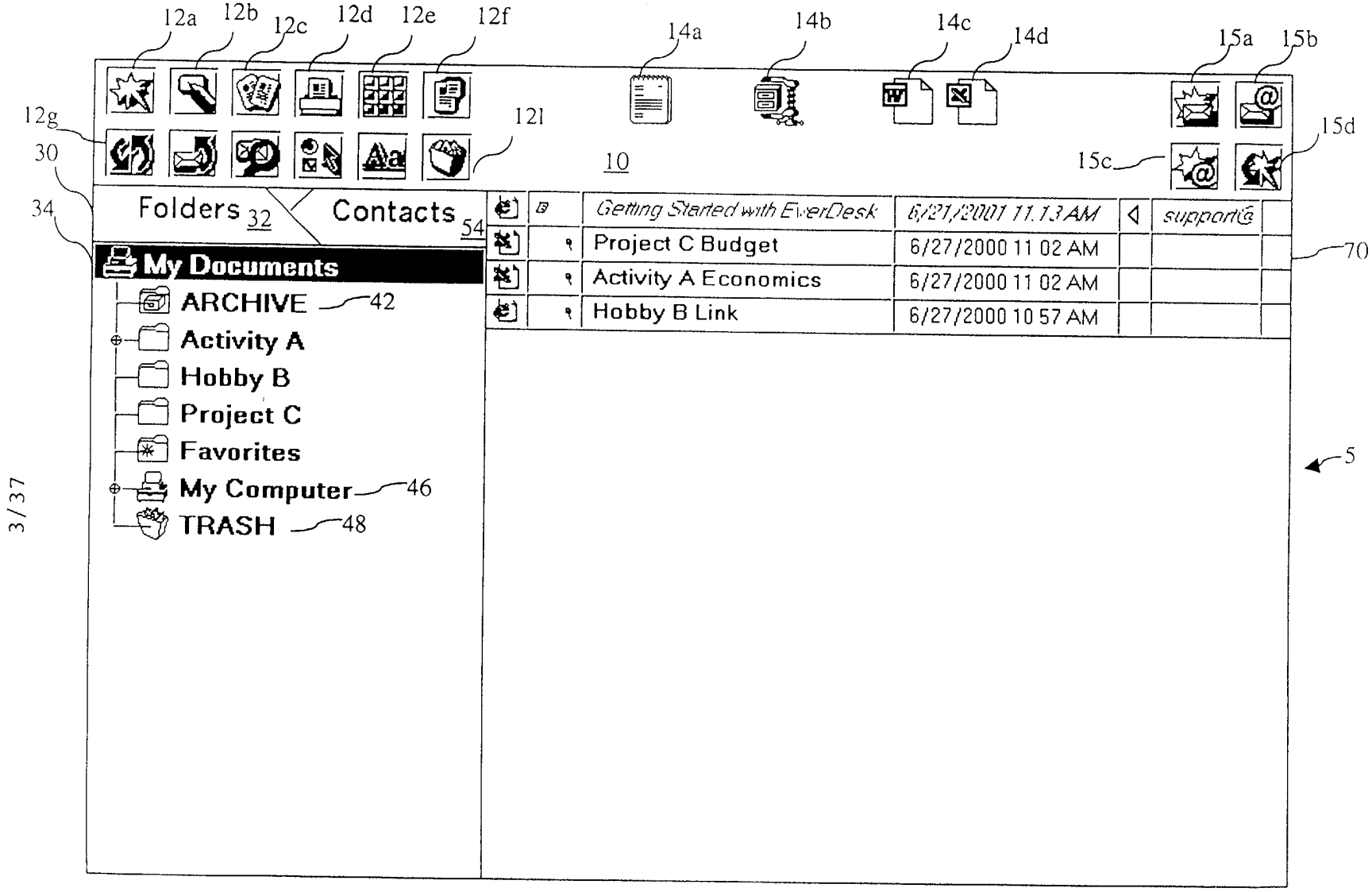

12a
12b
12c
12d
12e
12f
14a
14b
14c
14d
15a
15b
12g
12l
15d
30
10
15c
34
Folders 32
Contacts 54
My Documents
ARCHIVE 42
Activity A
Hobby B
Project C
Favorites
My Computer 46
TRASH 48
Getting Started with EverDesk
6/27/2001 11:13 AM
support@
Project C Budget
6/27/2000 11:02 AM
Activity A Economics
6/27/2000 11:02 AM
Hobby B Link
6/27/2000 10:57 AM
70
5
3/37

Fig. 4

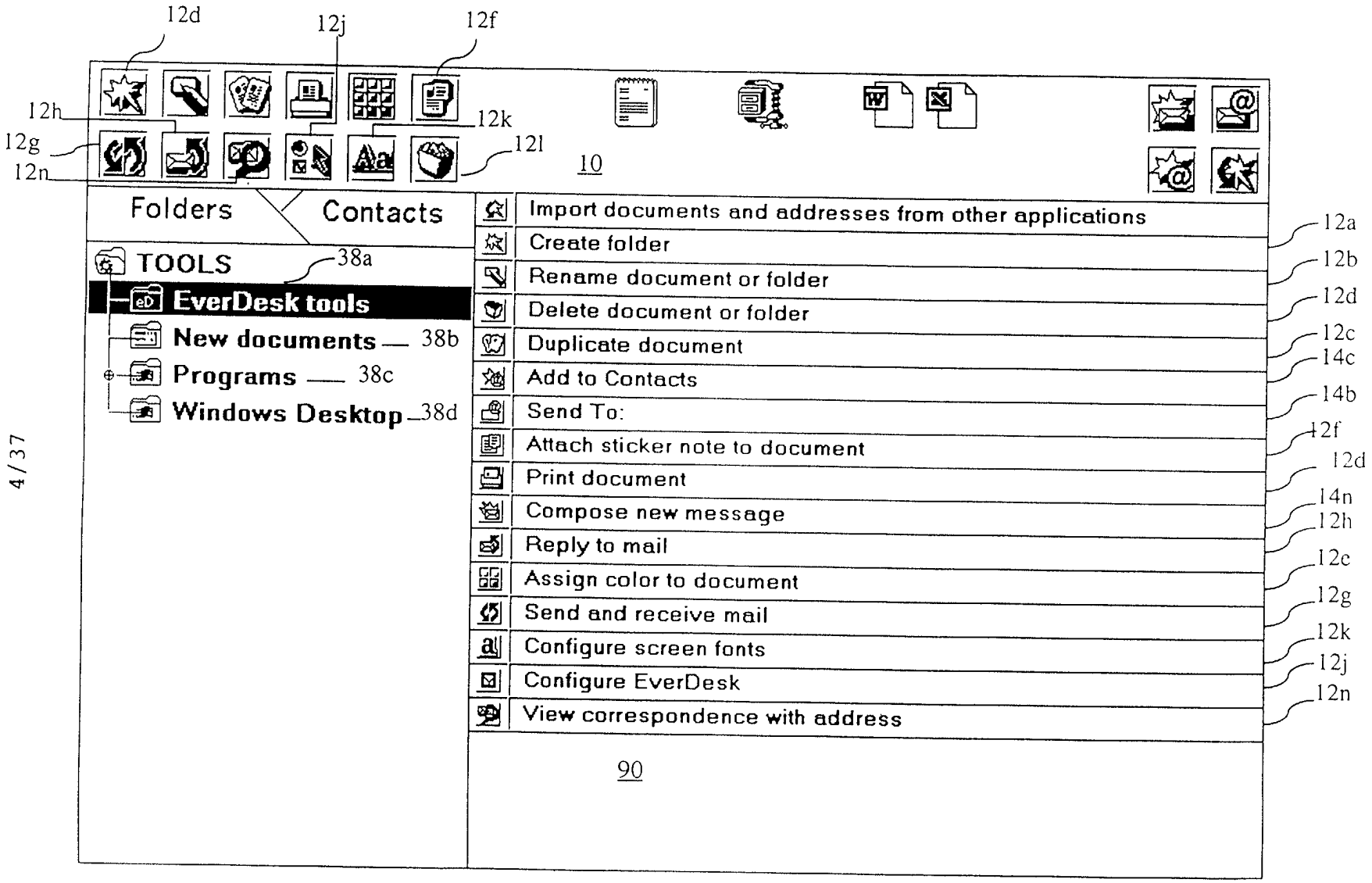

12d
12j
12f
12h
12k
12g
12l
12n
10
Folders
Contacts
TOOLS
38a
EverDesk tools
New documents 38b
Programs 38c
Windows Desktop 38d
Import documents and addresses from other applications
Create folder
Rename document or folder
Delete document or folder
Duplicate document
Add to Contacts
Send To:
Attach sticker note to document
Print document
Compose new message
Reply to mail
Assign color to document
Send and receive mail
Configure screen fonts
Configure EverDesk
View correspondence with address
12a
12b
12d
12c
14c
14b
12f
12d
14n
12h
12e
12g
12k
12j
12n
90

Fig. 5

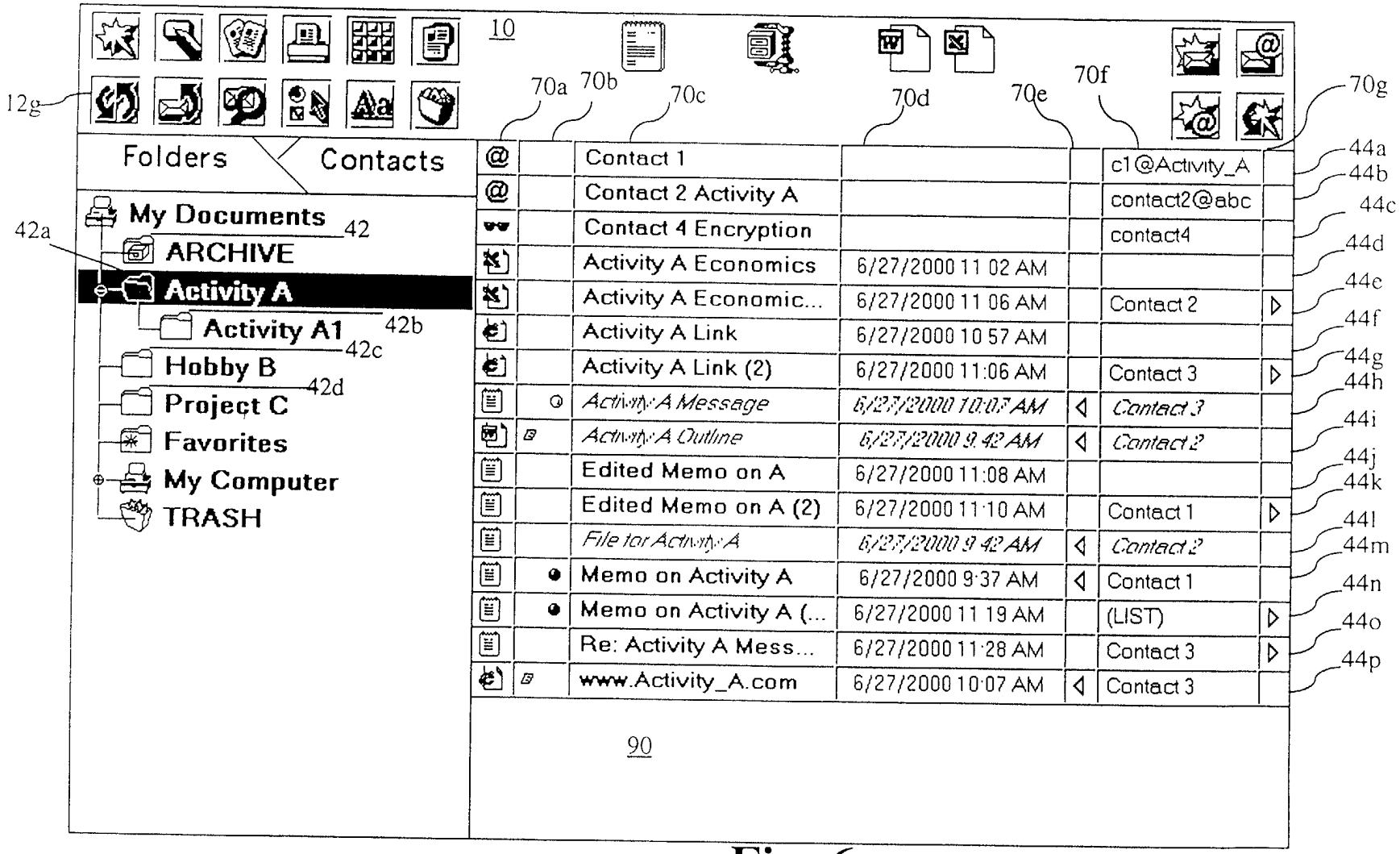

10
12g
70a
70b
70c
70d
70e
70f
70g
Folders
Contacts
My Documents
42
42a
ARCHIVE
Activity A
Activity A1
42b
42c
Hobby B
42d
Project C
Favorites
My Computer
TRASH
Contact 1
c1@Activity_A
Contact 2 Activity A
contact2@abc
Contact 4 Encryption
contact4
Activity A Economics
6/27/2000 11:02 AM
Activity A Economic...
6/27/2000 11:06 AM
Contact 2
Activity A Link
6/27/2000 10:57 AM
Activity A Link (2)
6/27/2000 11:06 AM
Contact 3
Activity A Message
Activity A Outline
Edited Memo on A
6/27/2000 11:08 AM
Edited Memo on A (2)
6/27/2000 11:10 AM
Contact 1
File for Activity A
Memo on Activity A
6/27/2000 9:37 AM
Memo on Activity A (...
6/27/2000 11:19 AM
(LIST)
Re: Activity A Mess...
6/27/2000 11:28 AM
Contact 3
www.Activity_A.com
6/27/2000 10:07 AM
Contact 3
90
44a
44b
44c
44d
44e
44f
44g
44h
44i
44j
44k
44l
44m
44n
44o
44p

Fig. 6

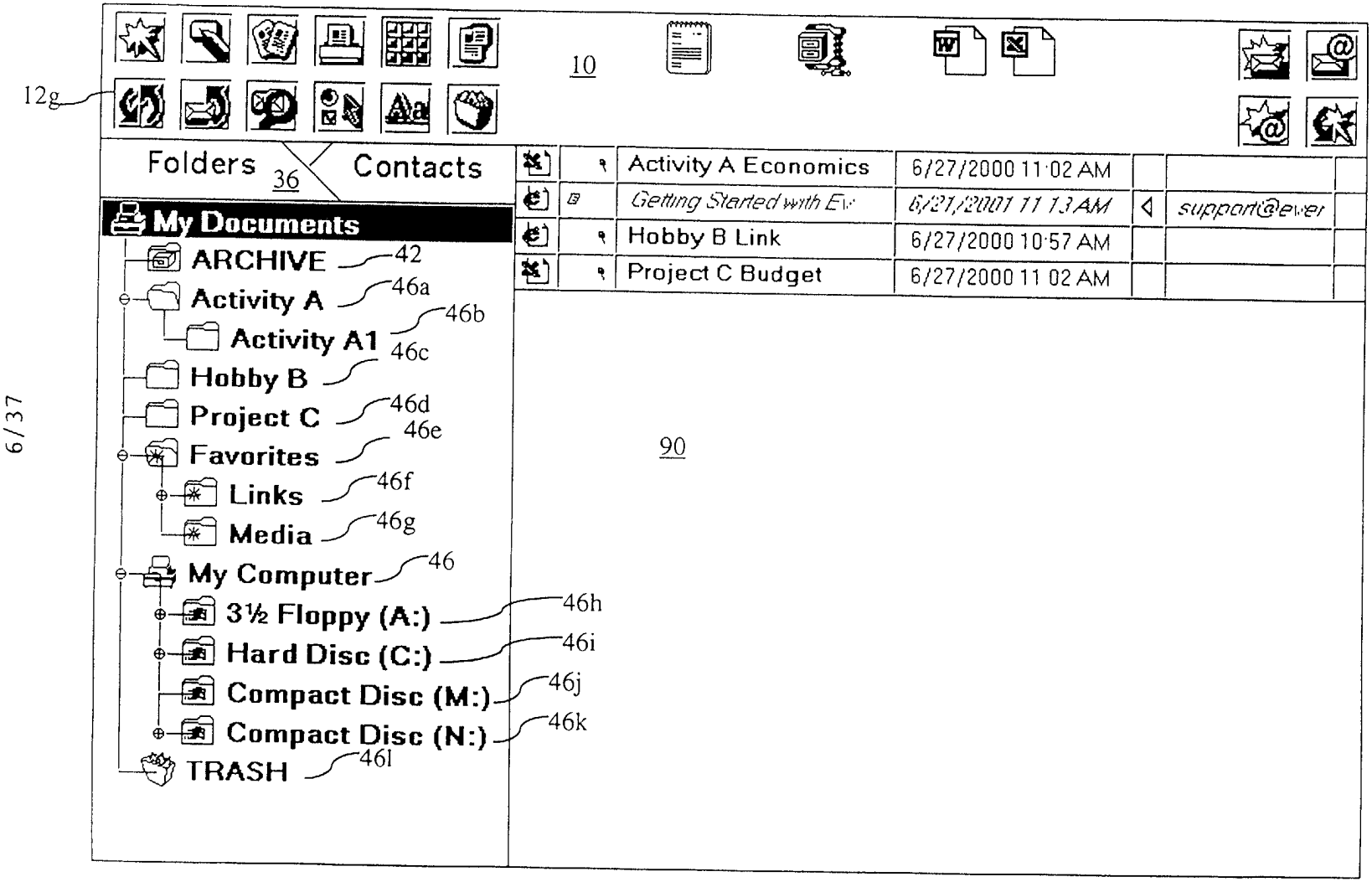

12g
10
Folders
36
Contacts
My Documents
ARCHIVE
42
Activity A
46a
Activity A1
46b
Hobby B
46c
Project C
46d
Favorites
46e
Links
46f
Media
46g
My Computer
46
3½ Floppy (A:)
46h
Hard Disc (C:)
46i
Compact Disc (M:)
46j
Compact Disc (N:)
46k
TRASH
46l
Activity A Economics
6/27/2000 11:02 AM
Getting Started with E
6/27/2000 11:13 AM
support@e
Hobby B Link
6/27/2000 10:57 AM
Project C Budget
6/27/2000 11:02 AM
90

Fig. 7

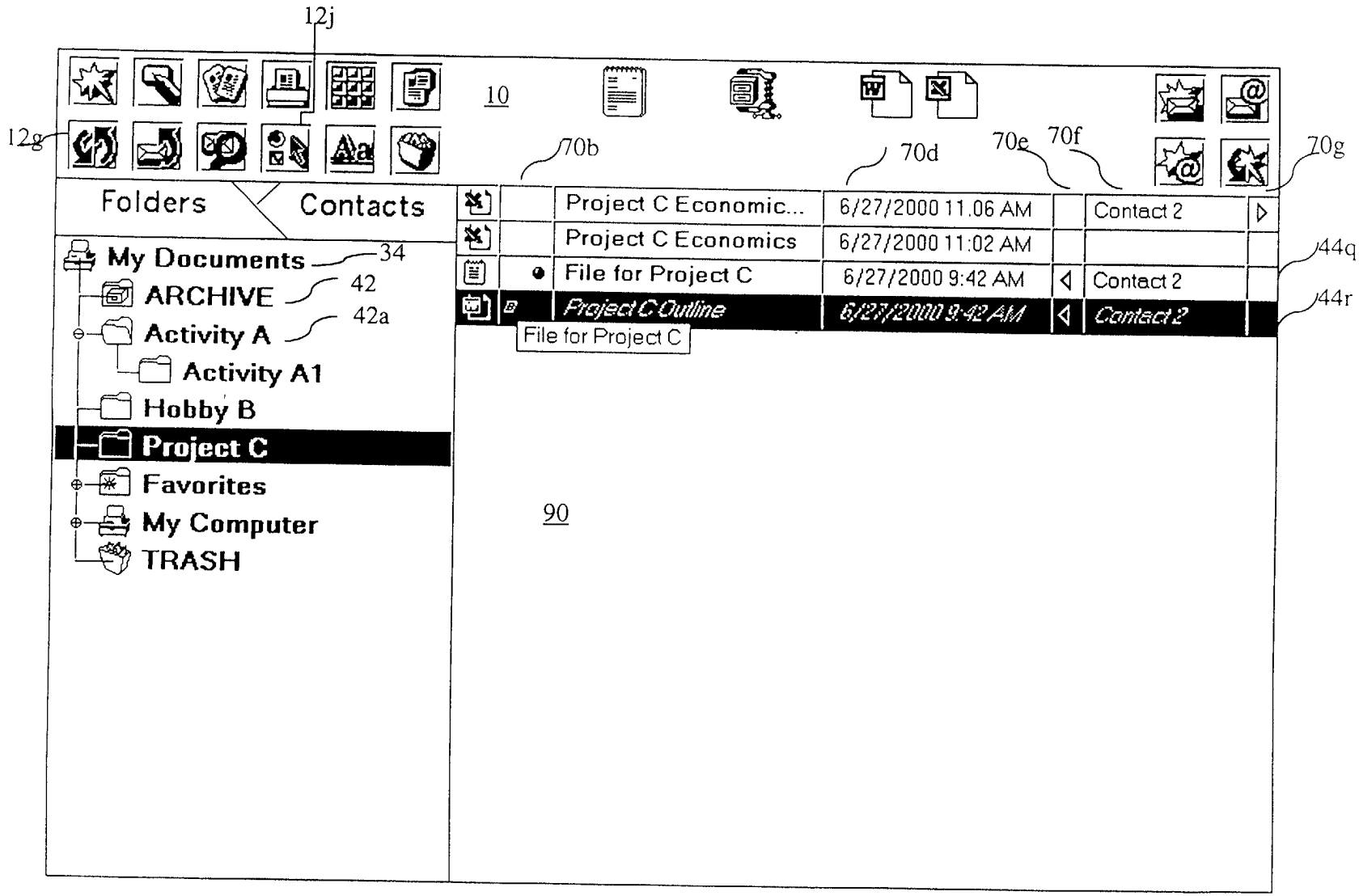

12j
12g
10
70b
70d
70e
70f
70g
Folders
Contacts
My Documents
34
ARCHIVE
42
Activity A
42a
Activity A1
Hobby B
Project C
Favorites
My Computer
TRASH
90
Project C Economic...
6/27/2000 11:06 AM
Contact 2
Project C Economics
6/27/2000 11:02 AM
File for Project C
6/27/2000 9:42 AM
Contact 2
Project C Outline
6/27/2000 9:42 AM
Contact 2
File for Project C
44q
44r

Fig. 8

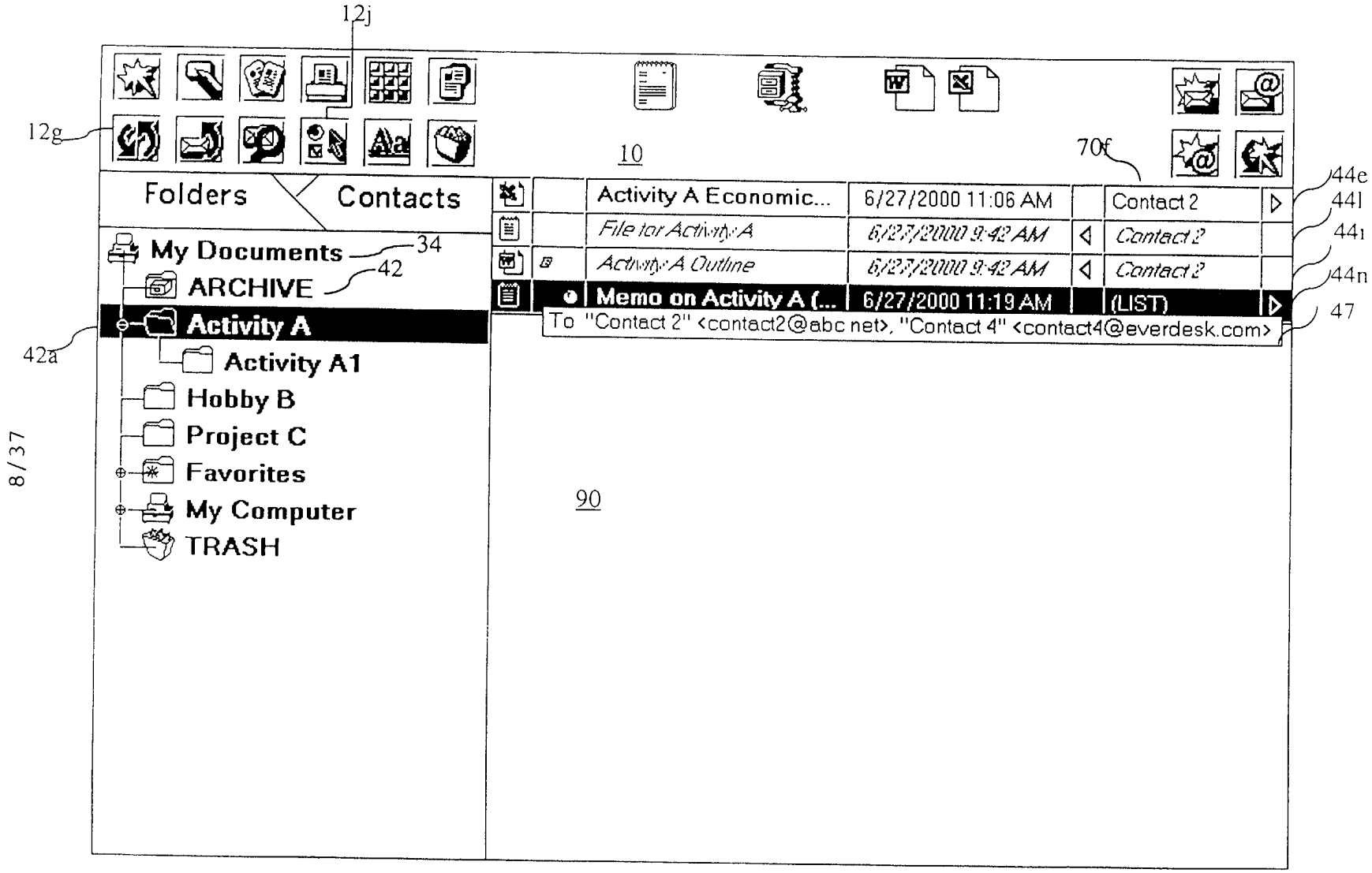

12j
12g
10
70f
Folders
Contacts
My Documents
34
ARCHIVE
42
Activity A
42a
Activity A1
Hobby B
Project C
Favorites
My Computer
TRASH
Activity A Economic...
6/27/2000 11:06 AM
Contact 2
44e
File for Activity A
6/27/2000 9:42 AM
Contact 2
44l
Activity A Outline
6/27/2000 9:42 AM
Contact 2
44i
Memo on Activity A (...
6/27/2000 11:19 AM
(LIST)
44n
To "Contact 2" <contact2@abc.net>; "Contact 4" <contact4@everdesk.com>
47
90

Fig. 9

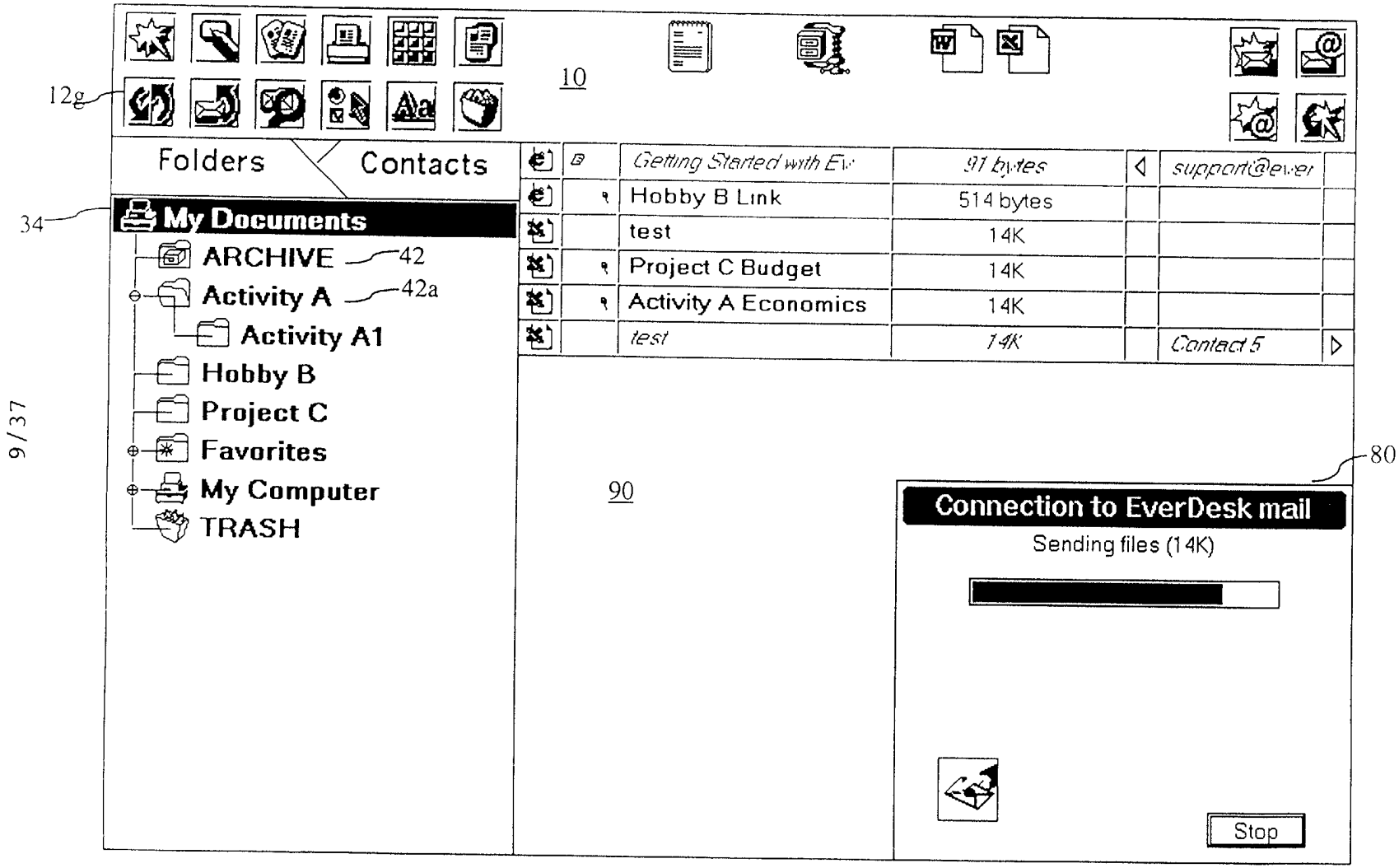

10
12g
Folders
Contacts
34
My Documents
ARCHIVE
42
Activity A
42a
Activity A1
Hobby B
Project C
Favorites
My Computer
TRASH
Getting Started with Ev
91 bytes
support@ever
Hobby B Link
514 bytes
test
14K
Project C Budget
14K
Activity A Economics
14K
test
14K
Contact 5
90
80
Connection to EverDesk mail
Sending files (14K)
Stop

Fig. 10

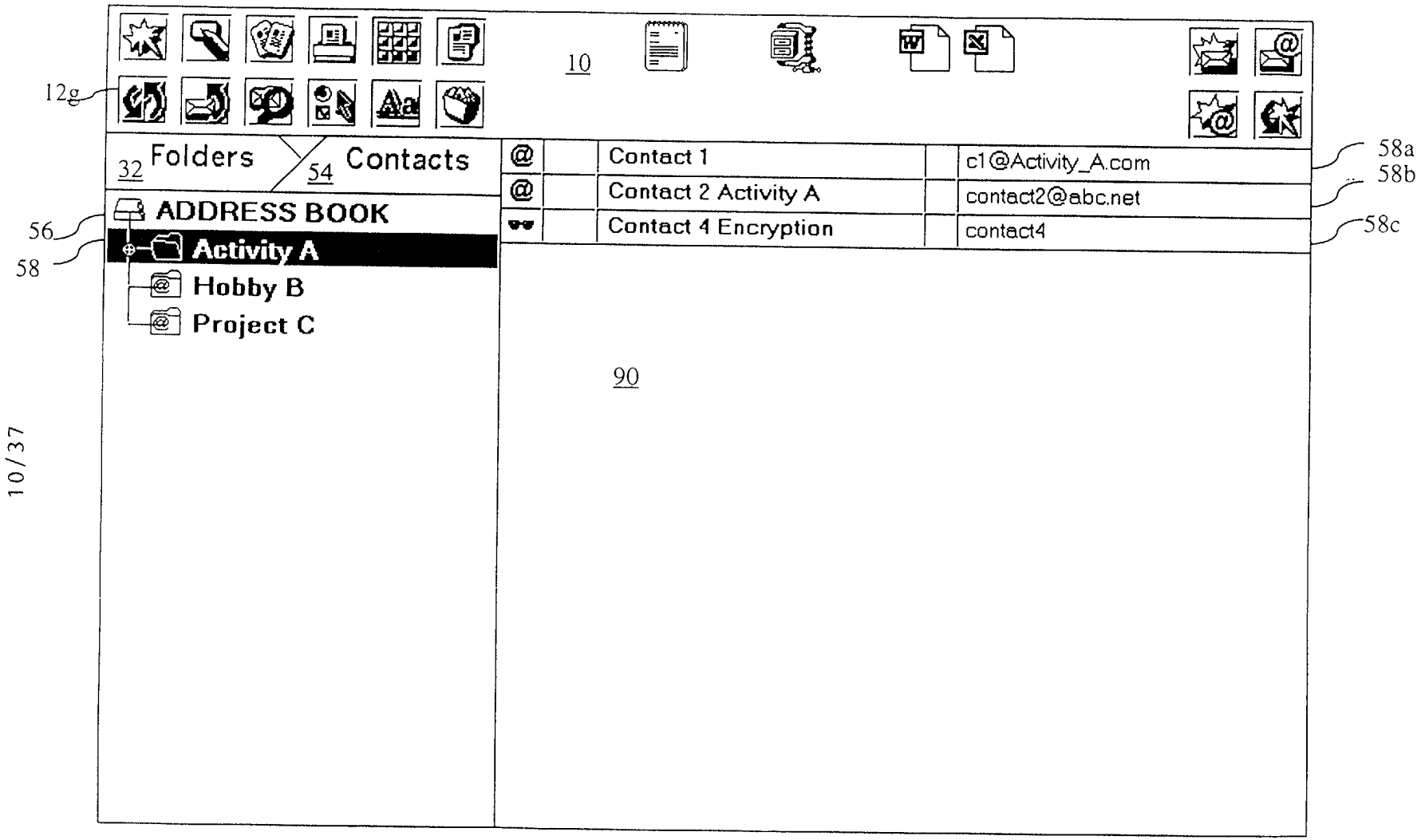

10
12g
32 Folders
54 Contacts
ADDRESS BOOK
56
58
Activity A
Hobby B
Project C
Contact 1
c1@Activity_A.com
Contact 2 Activity A
contact2@abc.net
Contact 4 Encryption
contact4
58a
58b
58c
90

Fig. 11

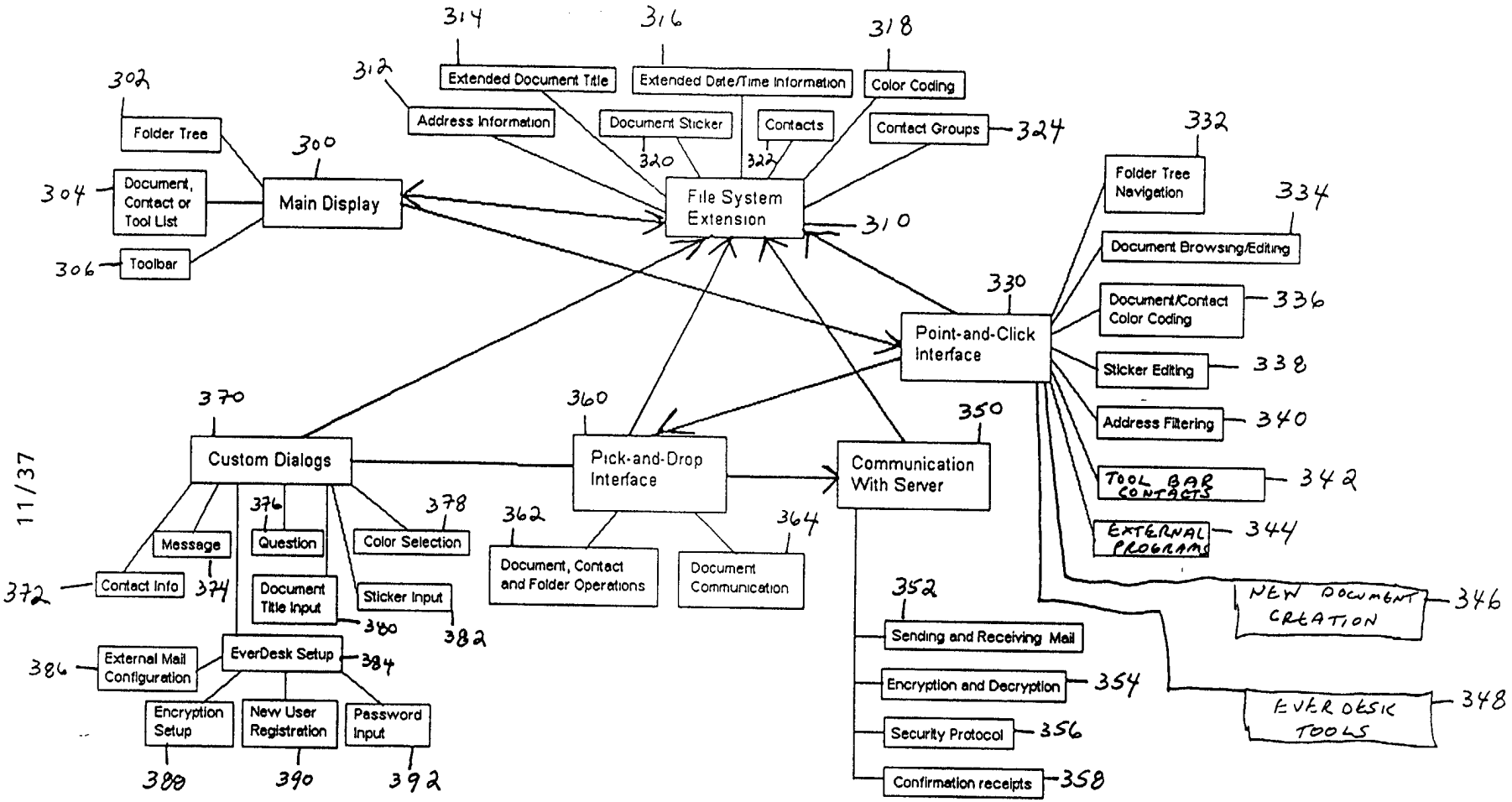

314
316
318
312
302
Extended Document Title
Extended Date/Time Information
Color Coding
Address Information
Document Sticker
Contacts
Contact Groups
324
Folder Tree
300
332
Folder Tree Navigation
304
Document, Contact or Tool List
Main Display
320
322
File System Extension
310
334
Document Browsing/Editing
306
Toolbar
330
Point-and-Click Interface
Document/Contact Color Coding
336
Sticker Editing
338
370
360
350
Address Filtering
340
Custom Dialogs
Pick-and-Drop Interface
Communication With Server
TOOL BAR CONTACTS
342
376
378
362
364
EXTERNAL PROGRAMS
344
Message
Question
Color Selection
Document, Contact and Folder Operations
Document Communication
NEW DOCUMENT CREATION
346
372
Contact Info
374
Document Title Input
Sticker Input
380
382
352
Sending and Receiving Mail
386
External Mail Configuration
EverDesk Setup
384
Encryption and Decryption
354
EVERDESK TOOLS
348
Encryption Setup
New User Registration
Password Input
Security Protocol
356
388
390
392
Confirmation receipts
358

FIG. 12

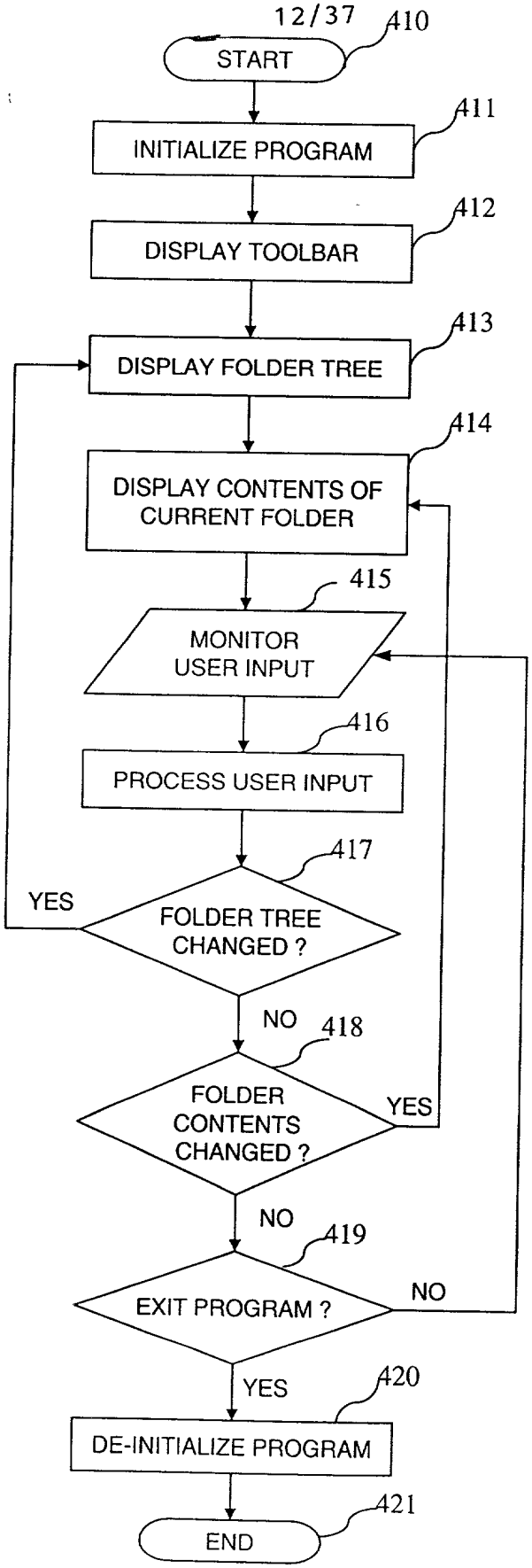

410
START
411
INITIALIZE PROGRAM
412
DISPLAY TOOLBAR
413
DISPLAY FOLDER TREE
414
DISPLAY CONTENTS OF CURRENT FOLDER
415
MONITOR USER INPUT
416
PROCESS USER INPUT
417
FOLDER TREE CHANGED ?
YES
NO
418
FOLDER CONTENTS CHANGED ?
YES
NO
419
EXIT PROGRAM ?
NO
YES
420
DE-INITIALIZE PROGRAM
421
END

Fig. 13

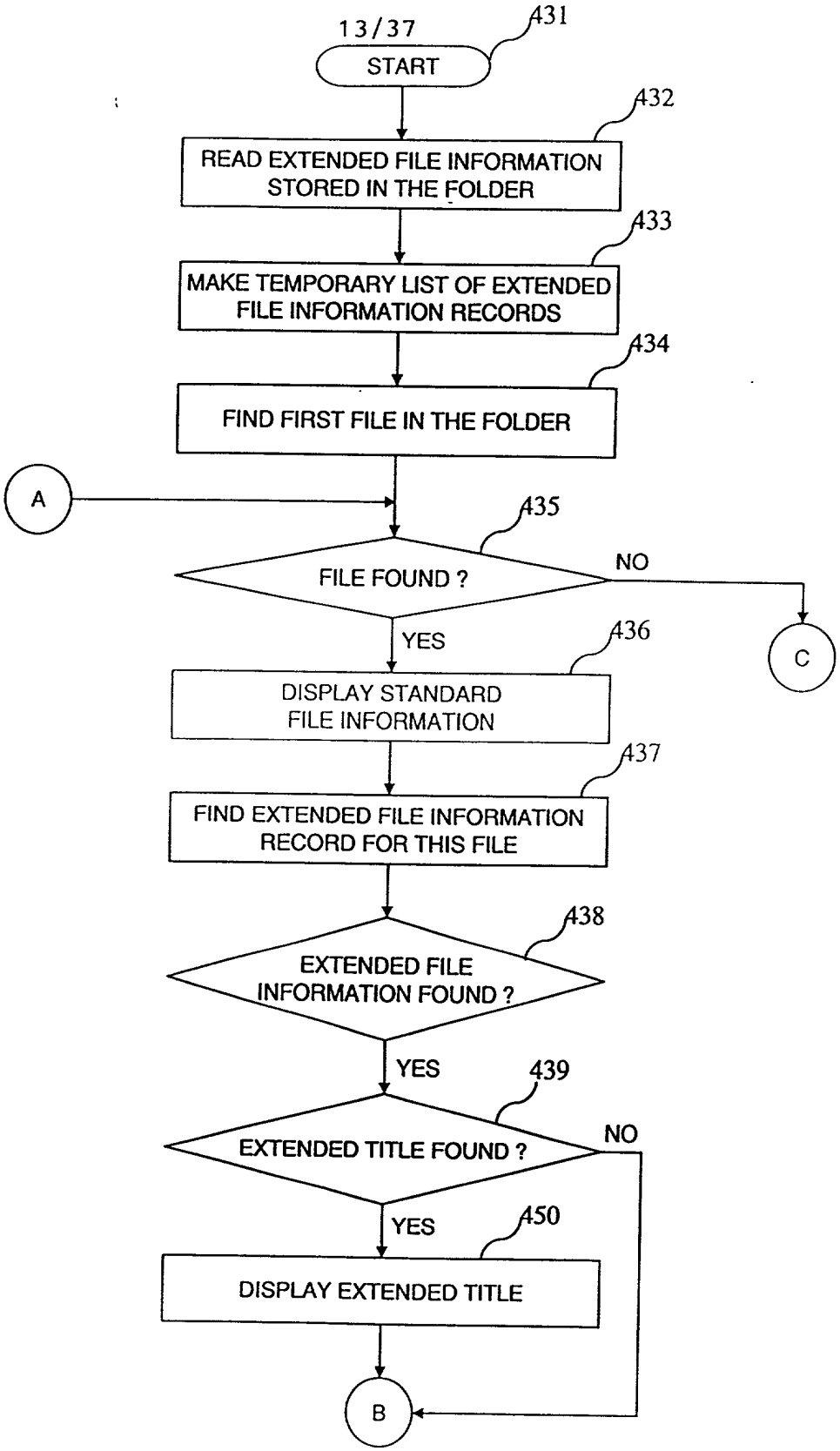

431
START
432
READ EXTENDED FILE INFORMATION STORED IN THE FOLDER
433
MAKE TEMPORARY LIST OF EXTENDED FILE INFORMATION RECORDS
434
FIND FIRST FILE IN THE FOLDER
A
435
FILE FOUND ?
NO
C
YES
436
DISPLAY STANDARD FILE INFORMATION
437
FIND EXTENDED FILE INFORMATION RECORD FOR THIS FILE
438
EXTENDED FILE INFORMATION FOUND ?
YES
439
EXTENDED TITLE FOUND ?
NO
YES
450
DISPLAY EXTENDED TITLE
B

Fig. 14A

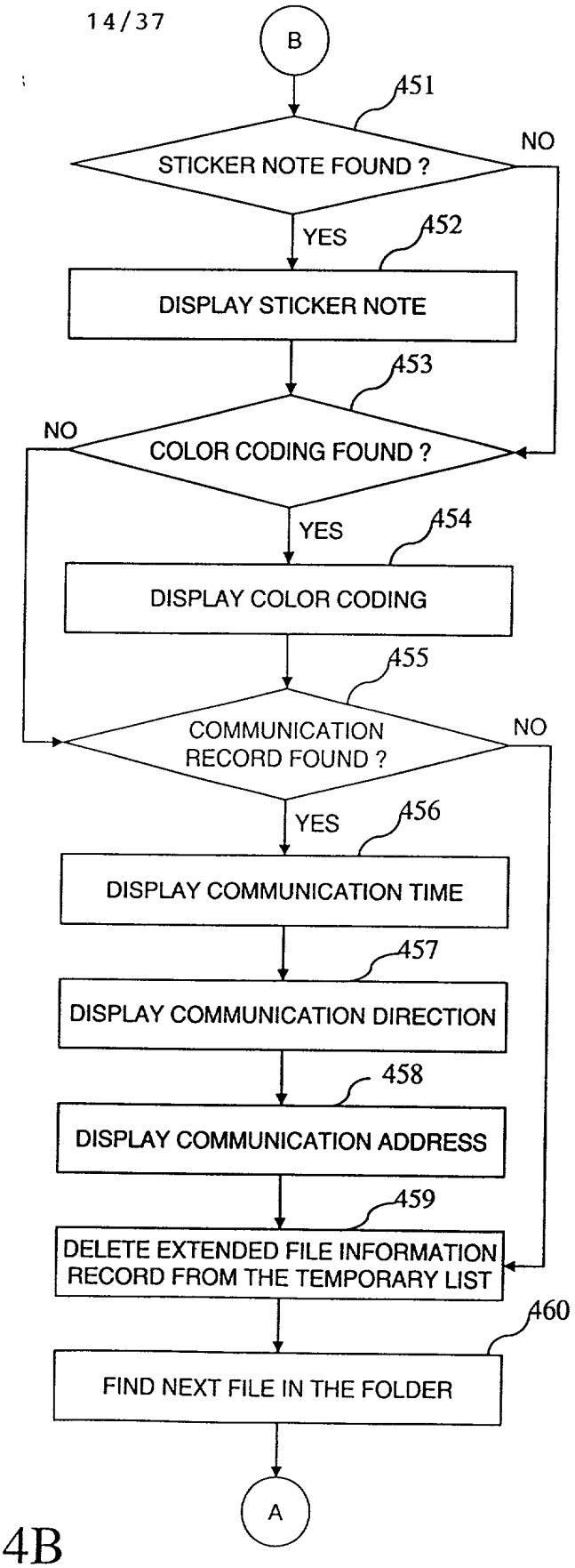

B
451
STICKER NOTE FOUND ?
NO
YES
452
DISPLAY STICKER NOTE
453
NO
COLOR CODING FOUND ?
YES
454
DISPLAY COLOR CODING
455
COMMUNICATION RECORD FOUND ?
NO
YES
456
DISPLAY COMMUNICATION TIME
457
DISPLAY COMMUNICATION DIRECTION
458
DISPLAY COMMUNICATION ADDRESS
459
DELETE EXTENDED FILE INFORMATION RECORD FROM THE TEMPORARY LIST
460
FIND NEXT FILE IN THE FOLDER
A

Fig. 14B

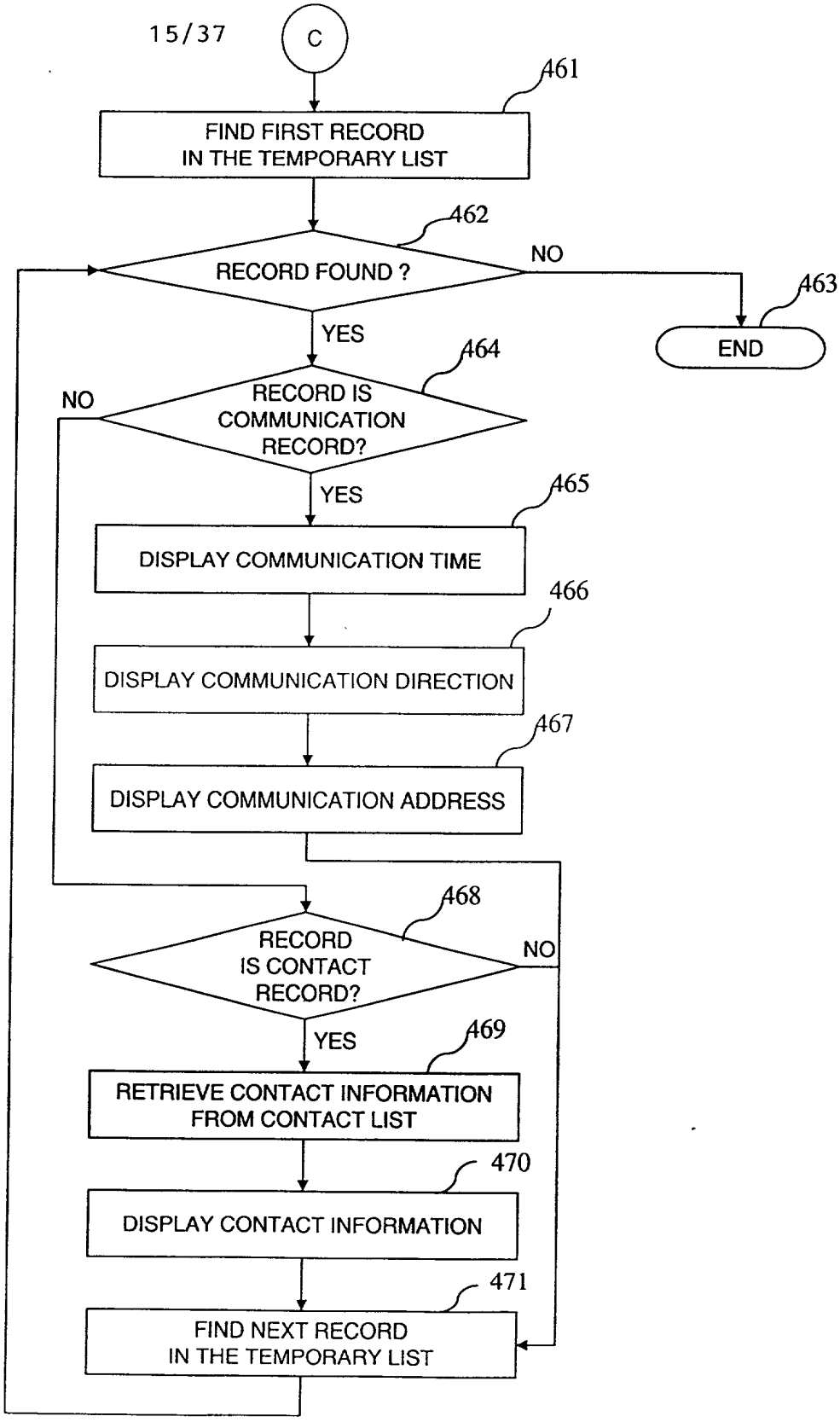

C
461
FIND FIRST RECORD IN THE TEMPORARY LIST
462
RECORD FOUND ?
NO
463
END
YES
464
RECORD IS COMMUNICATION RECORD?
NO
YES
465
DISPLAY COMMUNICATION TIME
466
DISPLAY COMMUNICATION DIRECTION
467
DISPLAY COMMUNICATION ADDRESS
468
RECORD IS CONTACT RECORD?
NO
YES
469
RETRIEVE CONTACT INFORMATION FROM CONTACT LIST
470
DISPLAY CONTACT INFORMATION
471
FIND NEXT RECORD IN THE TEMPORARY LIST

Fig. 14C

Flowchart for PROCESS USER INPUT block of the main flowchart

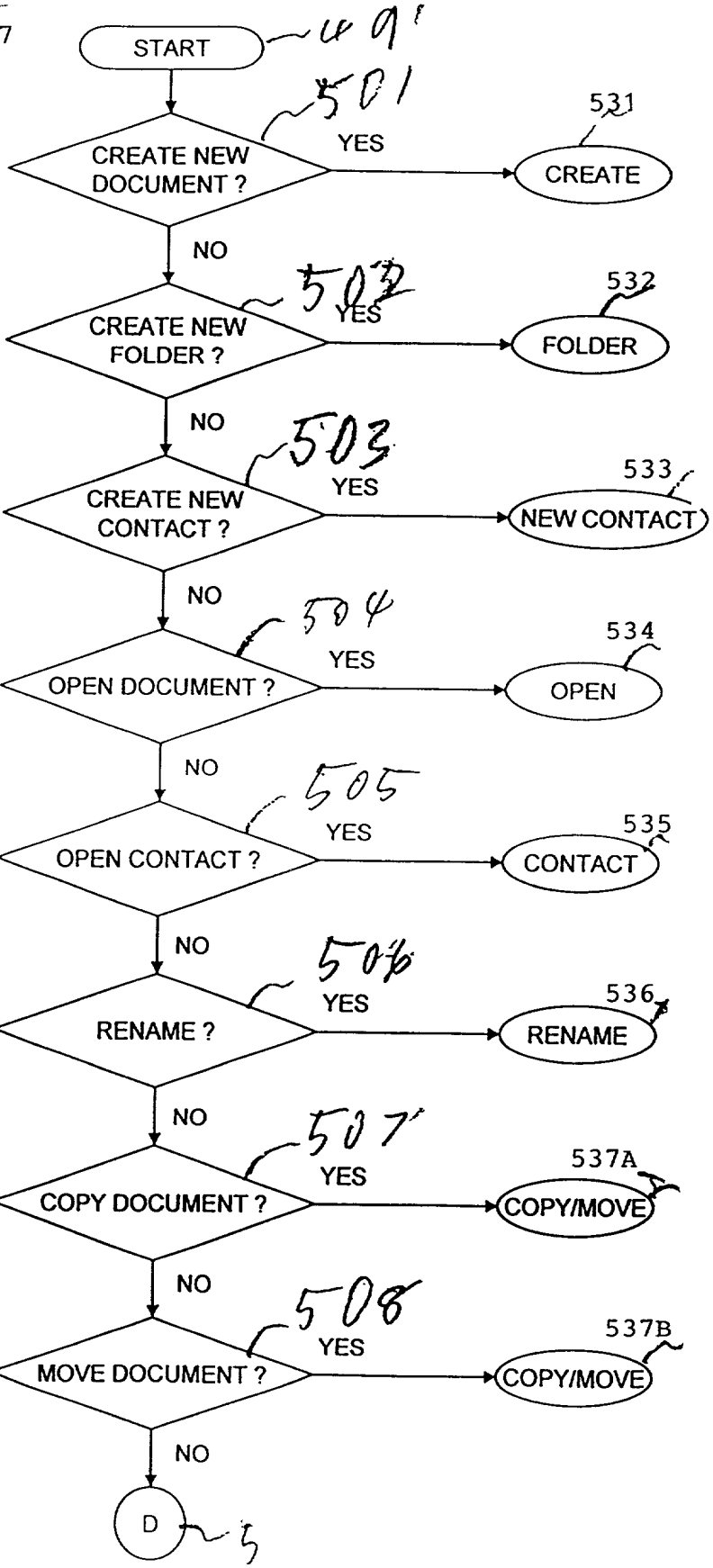


Fig 15A

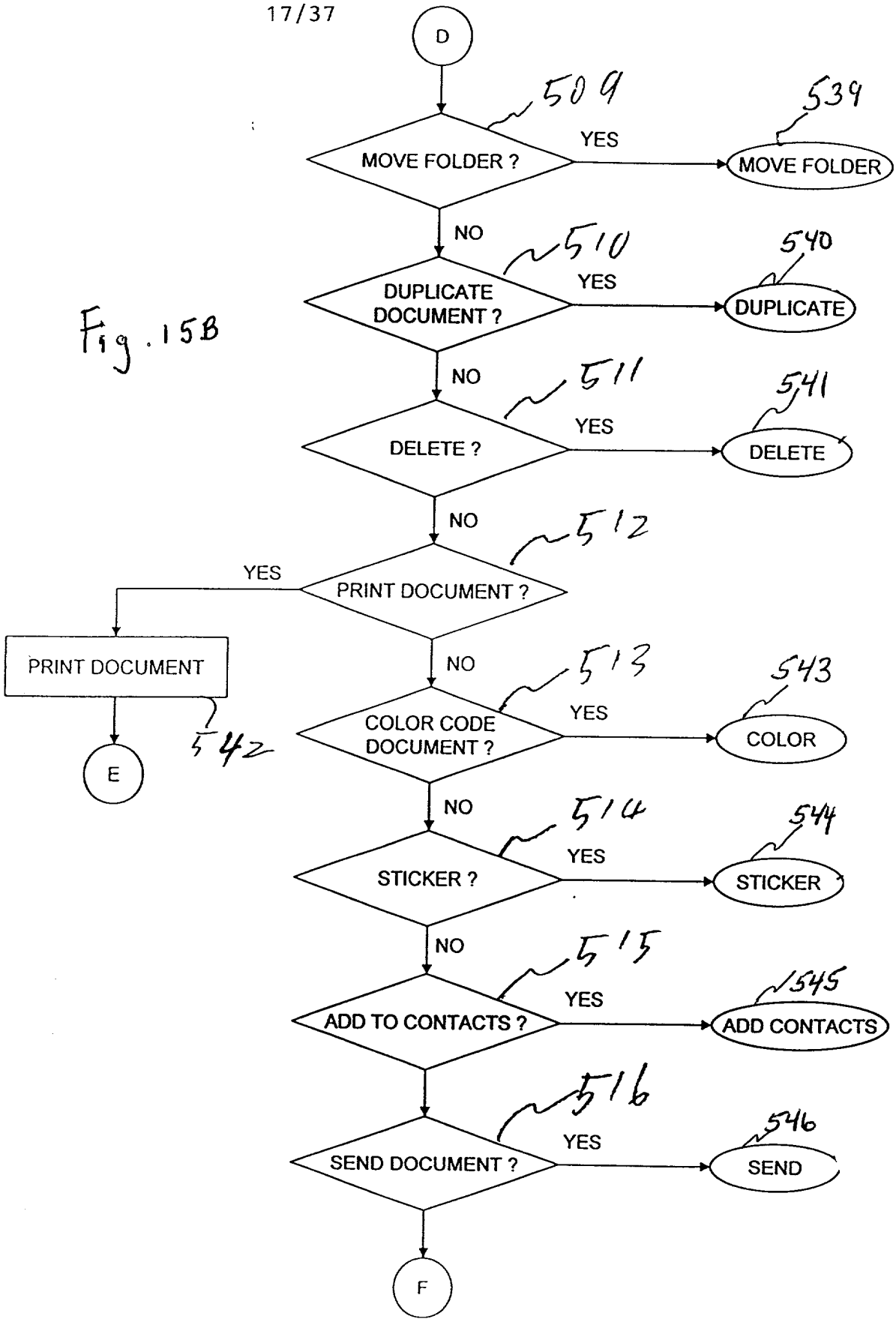
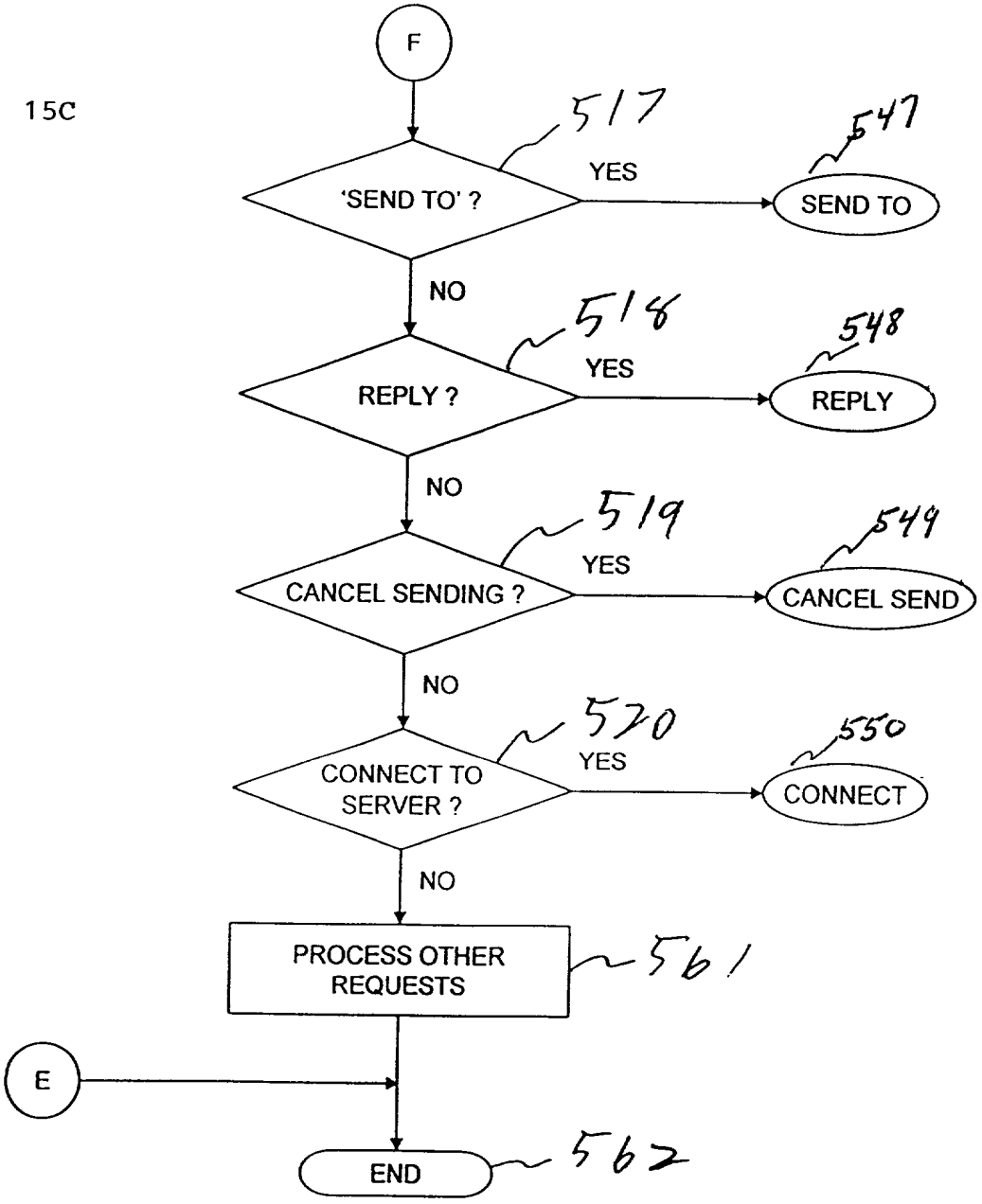

D
509
MOVE FOLDER ?
YES
539
MOVE FOLDER
NO
510
DUPLICATE DOCUMENT ?
YES
540
DUPLICATE
NO
511
DELETE ?
YES
541
DELETE
NO
512
PRINT DOCUMENT ?
YES
PRINT DOCUMENT
542
E
NO
513
COLOR CODE DOCUMENT ?
YES
543
COLOR
NO
514
STICKER ?
YES
544
STICKER
NO
515
ADD TO CONTACTS ?
YES
545
ADD CONTACTS
516
SEND DOCUMENT ?
YES
546
SEND
F

Fig. 15B

Fig. 15C


F
517
'SEND TO' ?
YES
547
SEND TO
NO
516
REPLY ?
YES
548
REPLY
NO
519
CANCEL SENDING ?
YES
549
CANCEL SEND
NO
570
CONNECT TO SERVER ?
YES
550
CONNECT
NO
PROCESS OTHER REQUESTS
561
E
END
562

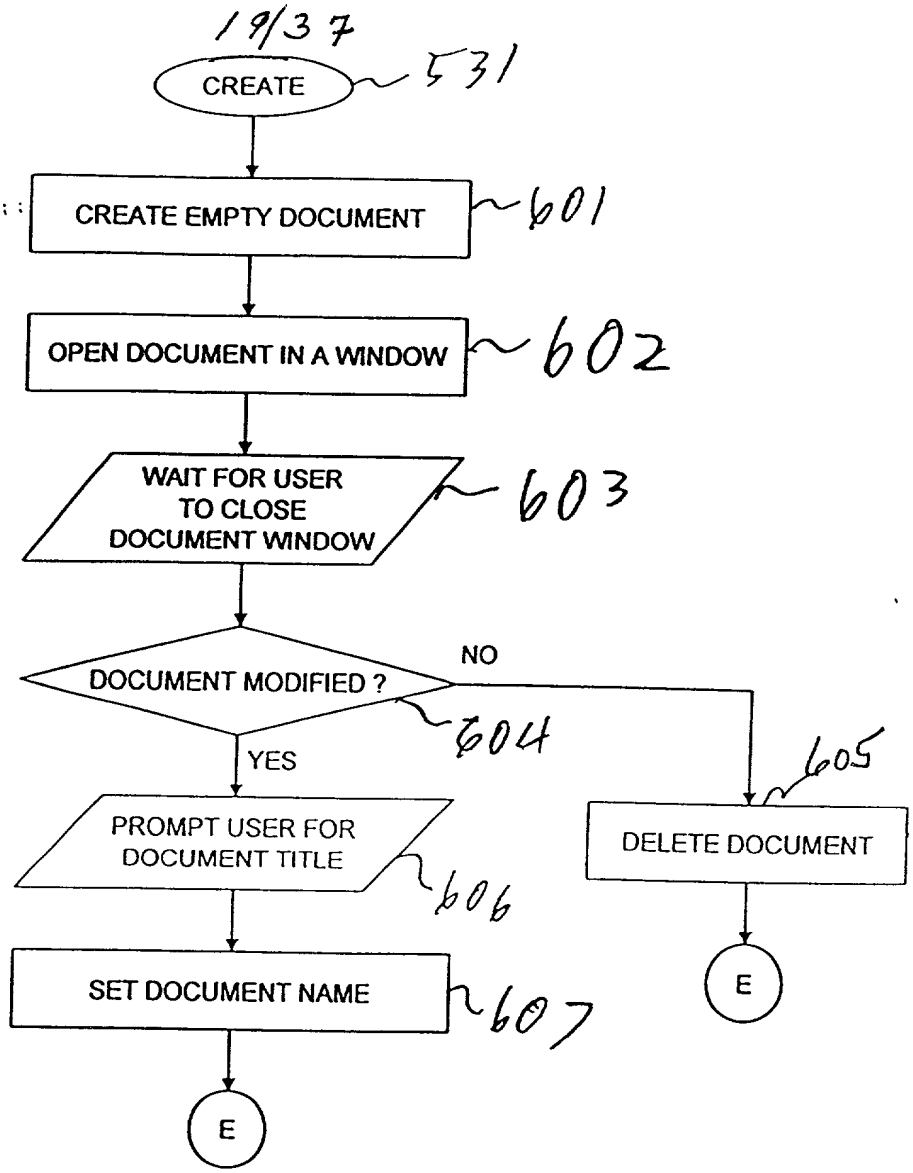

CREATE
531
CREATE EMPTY DOCUMENT
601
OPEN DOCUMENT IN A WINDOW
602
WAIT FOR USER TO CLOSE DOCUMENT WINDOW
603
DOCUMENT MODIFIED ?
NO
604
YES
605
PROMPT USER FOR DOCUMENT TITLE
606
DELETE DOCUMENT
SET DOCUMENT NAME
607
E
E

Fig. 16

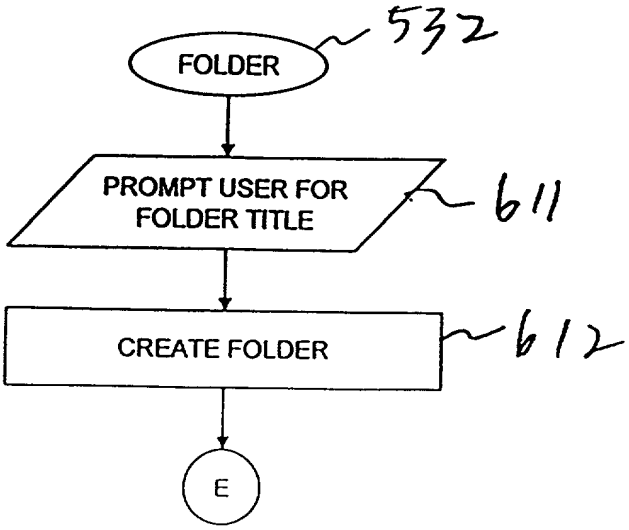

FOLDER
532
PROMPT USER FOR FOLDER TITLE
611
CREATE FOLDER
612
E

Fig. 17

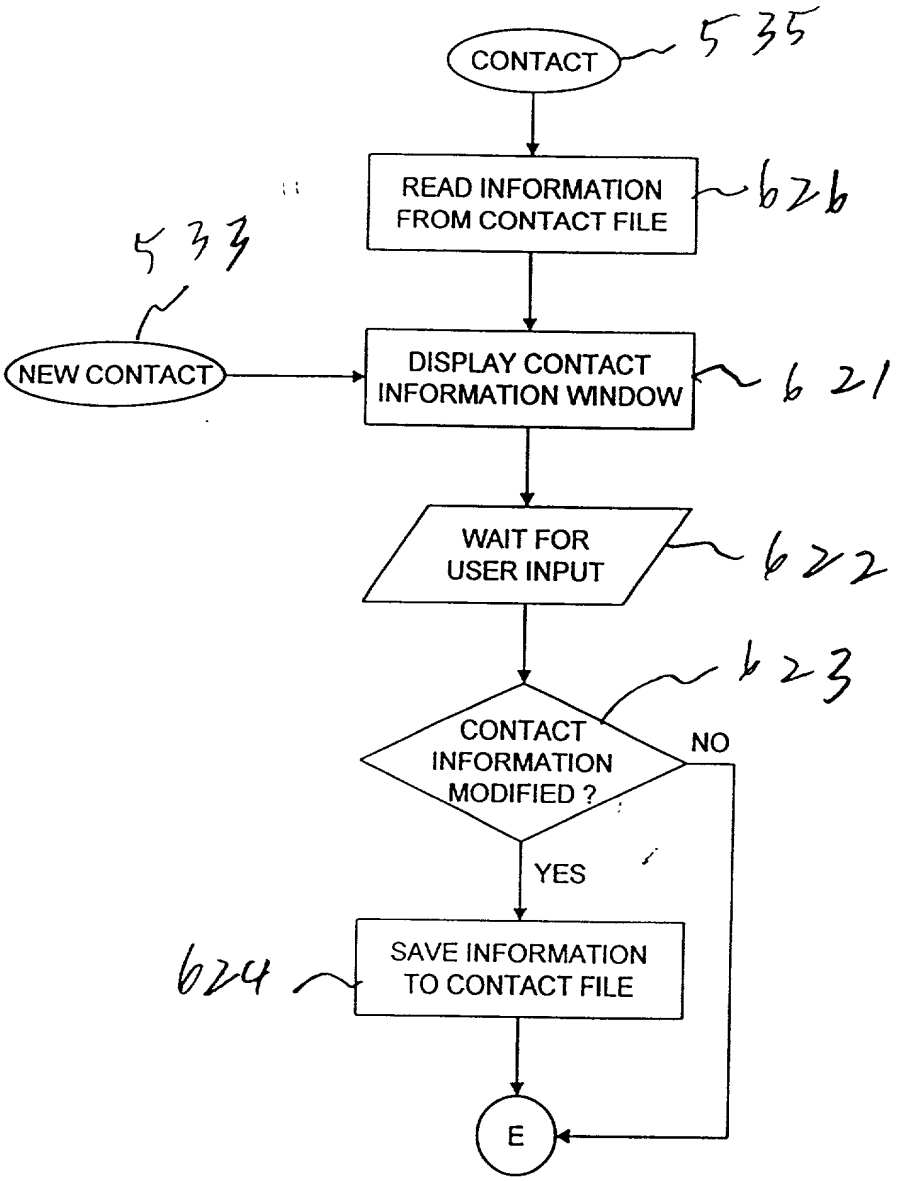

CONTACT
535
READ INFORMATION FROM CONTACT FILE
626
Fig 18
533
NEW CONTACT
DISPLAY CONTACT INFORMATION WINDOW
621
WAIT FOR USER INPUT
622
623
CONTACT INFORMATION MODIFIED ?
NO
YES
624
SAVE INFORMATION TO CONTACT FILE
E

Fig 19A

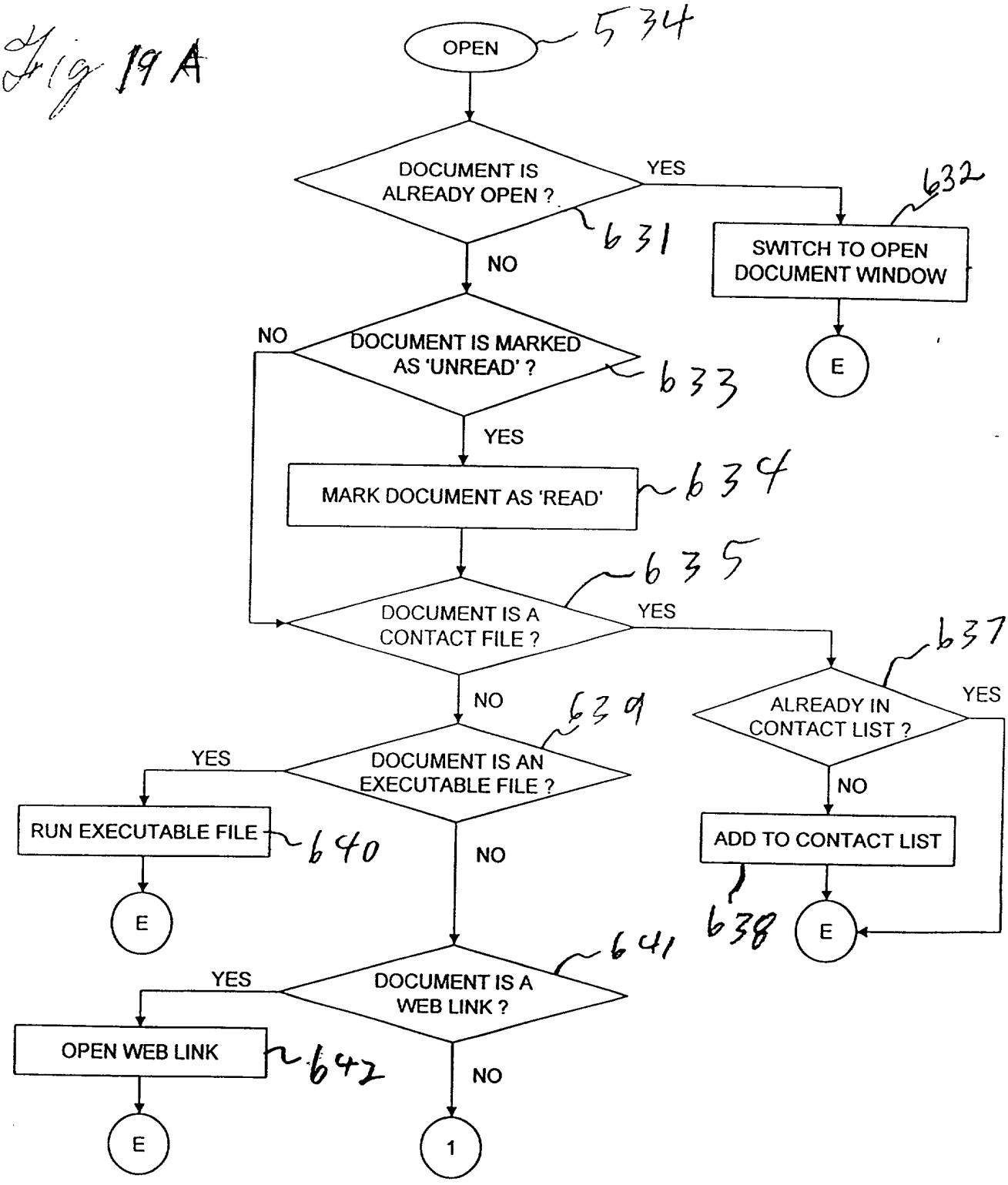

OPEN
534
DOCUMENT IS ALREADY OPEN ?
631
YES
632
SWITCH TO OPEN DOCUMENT WINDOW
E
NO
DOCUMENT IS MARKED AS 'UNREAD' ?
633
NO
YES
MARK DOCUMENT AS 'READ'
634
DOCUMENT IS A CONTACT FILE ?
635
YES
637
ALREADY IN CONTACT LIST ?
YES
NO
ADD TO CONTACT LIST
638
E
NO
639
DOCUMENT IS AN EXECUTABLE FILE ?
YES
RUN EXECUTABLE FILE
640
E
NO
641
DOCUMENT IS A WEB LINK ?
YES
OPEN WEB LINK
642
E
NO
1

Fig 9B

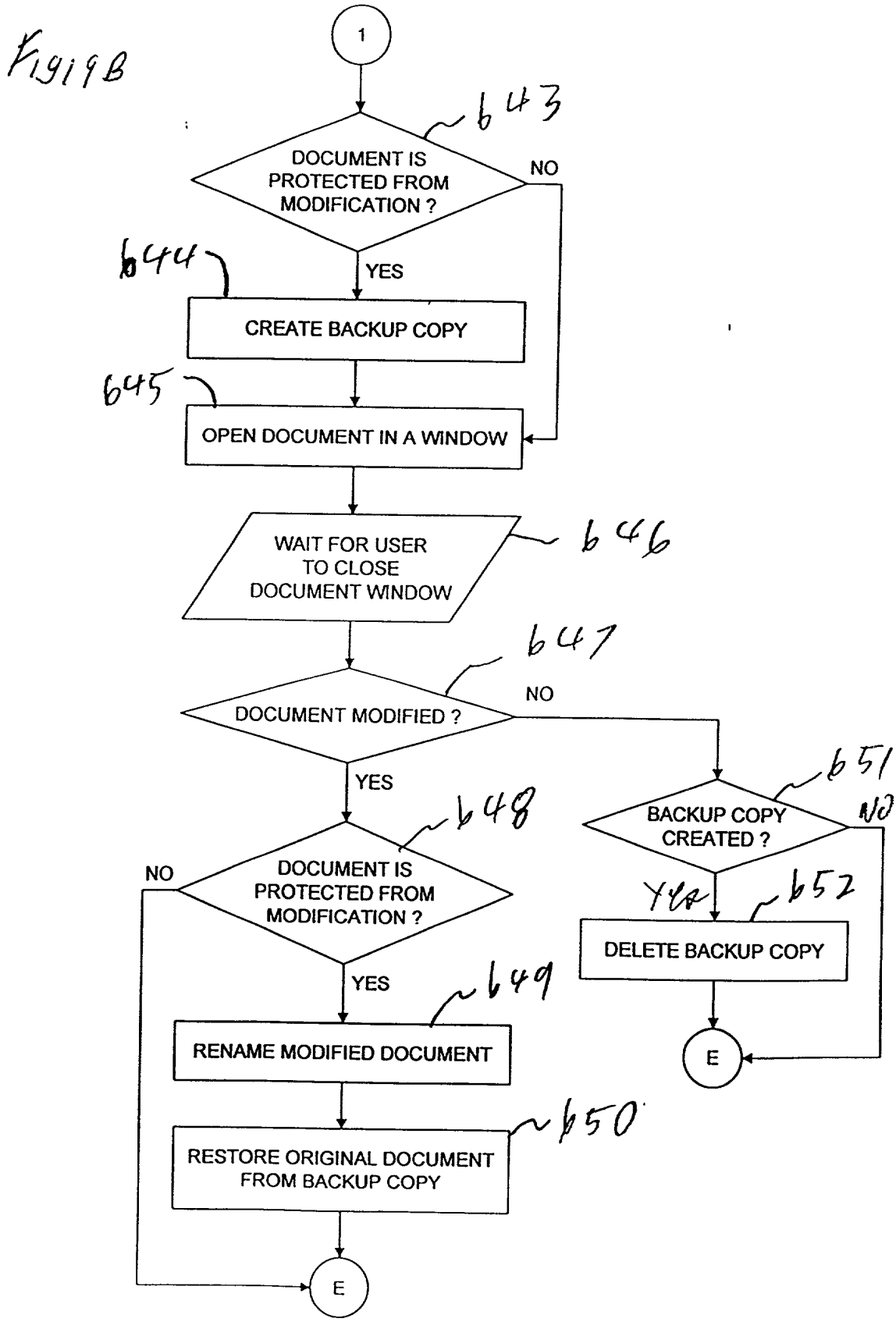

1
643
DOCUMENT IS PROTECTED FROM MODIFICATION ?
NO
YES
644
CREATE BACKUP COPY
645
OPEN DOCUMENT IN A WINDOW
646
WAIT FOR USER TO CLOSE DOCUMENT WINDOW
647
DOCUMENT MODIFIED ?
NO
YES
651
BACKUP COPY CREATED ?
NO
YES
652
DELETE BACKUP COPY
E
648
DOCUMENT IS PROTECTED FROM MODIFICATION ?
NO
YES
649
RENAME MODIFIED DOCUMENT
650
RESTORE ORIGINAL DOCUMENT FROM BACKUP COPY
E

Fig. 20

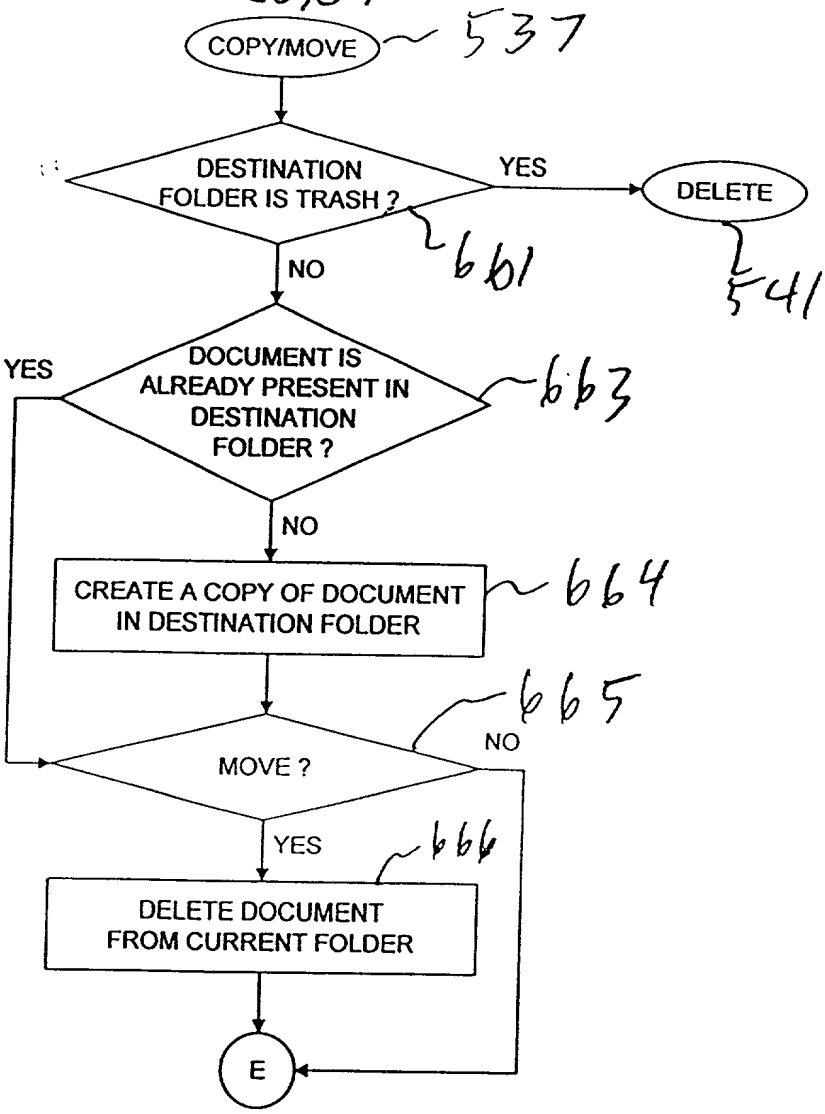

COPY/MOVE
537
DESTINATION FOLDER IS TRASH ?
YES
DELETE
541
661
NO
DOCUMENT IS ALREADY PRESENT IN DESTINATION FOLDER ?
663
YES
NO
CREATE A COPY OF DOCUMENT IN DESTINATION FOLDER
664
665
MOVE ?
NO
YES
666
DELETE DOCUMENT FROM CURRENT FOLDER
E

Fig. 21

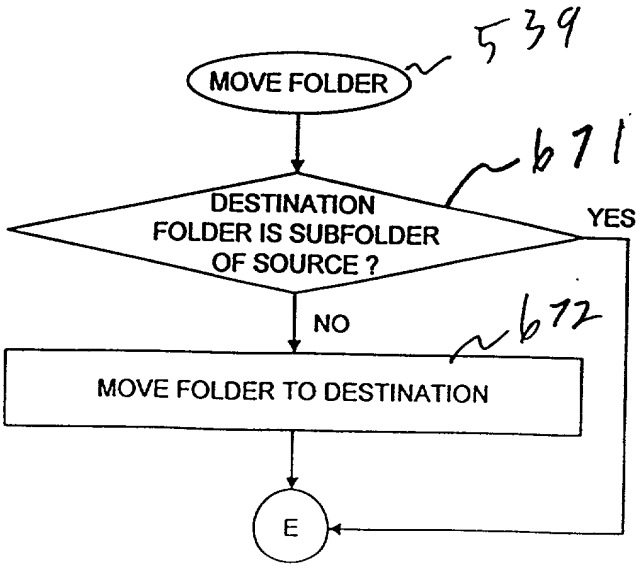

MOVE FOLDER
539
671
DESTINATION FOLDER IS SUBFOLDER OF SOURCE ?
YES
NO
672
MOVE FOLDER TO DESTINATION
E

Fig.22

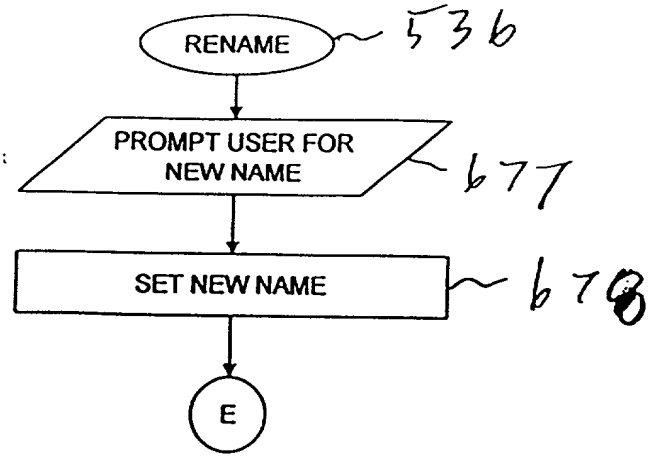


Fig.23

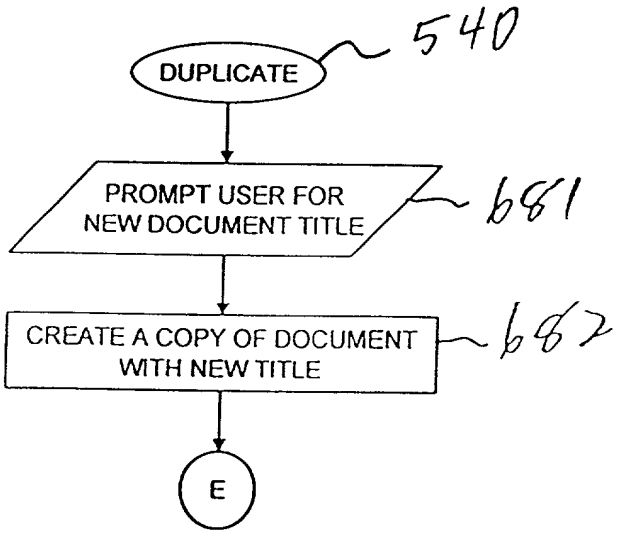


Fig.24

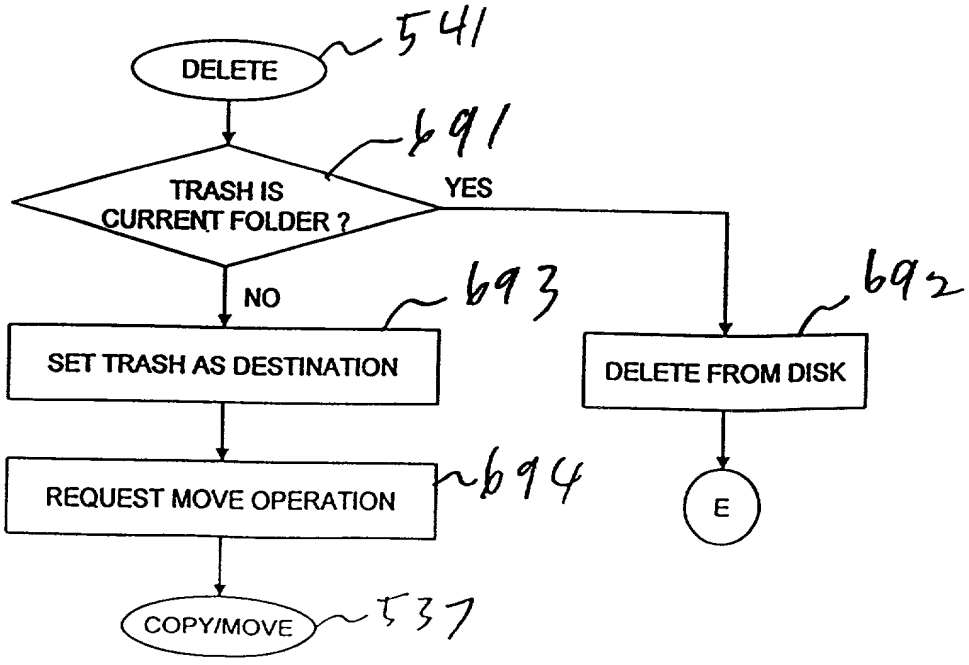


Fig.25

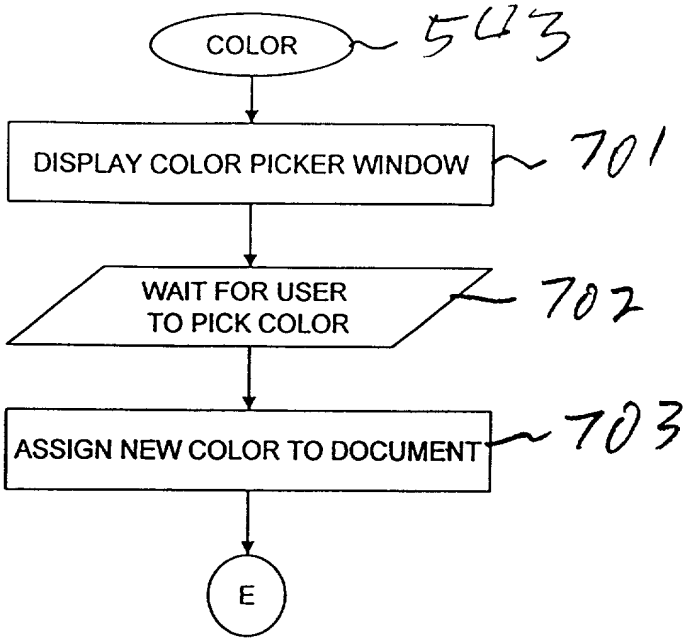

COLOR
543
DISPLAY COLOR PICKER WINDOW
701
WAIT FOR USER TO PICK COLOR
702
ASSIGN NEW COLOR TO DOCUMENT
703
E

Fig.26

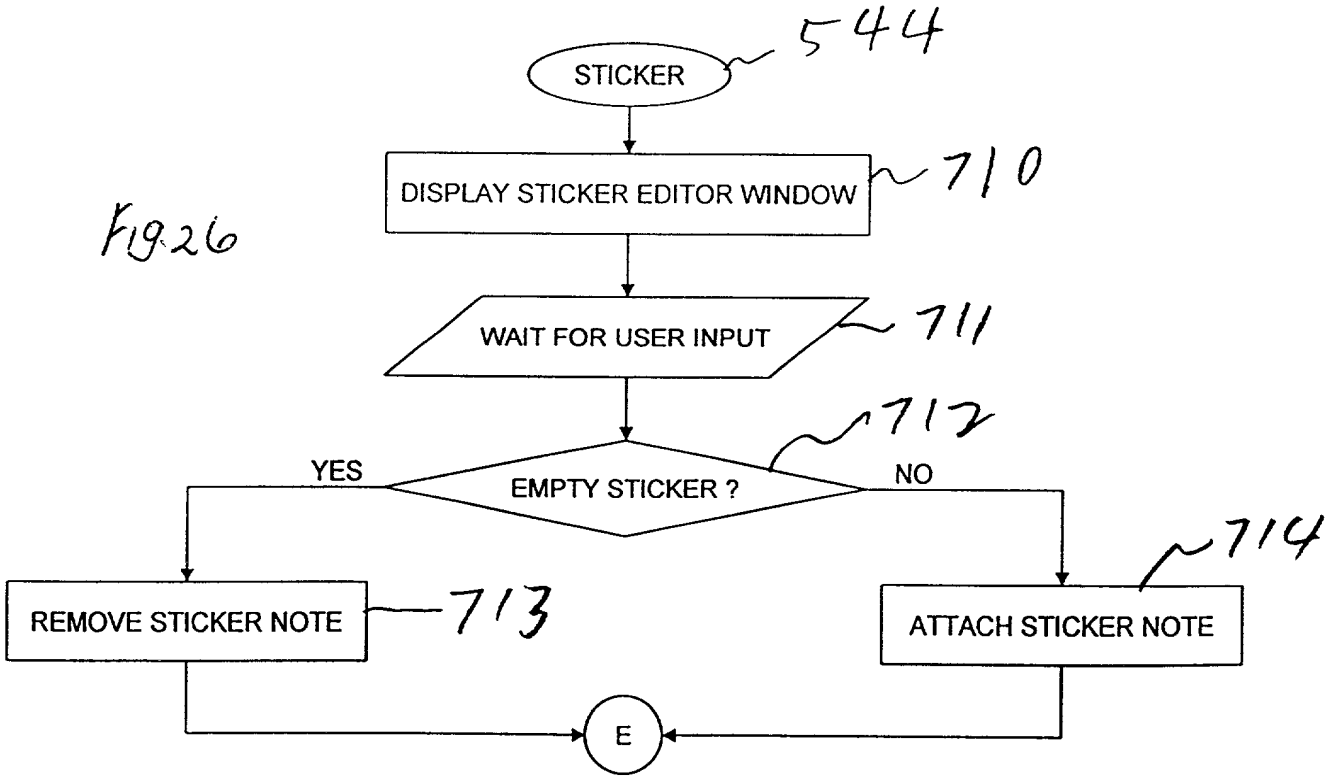

STICKER
544
DISPLAY STICKER EDITOR WINDOW
710
WAIT FOR USER INPUT
711
712
EMPTY STICKER ?
YES
NO
REMOVE STICKER NOTE
713
ATTACH STICKER NOTE
714
E

Fig.27

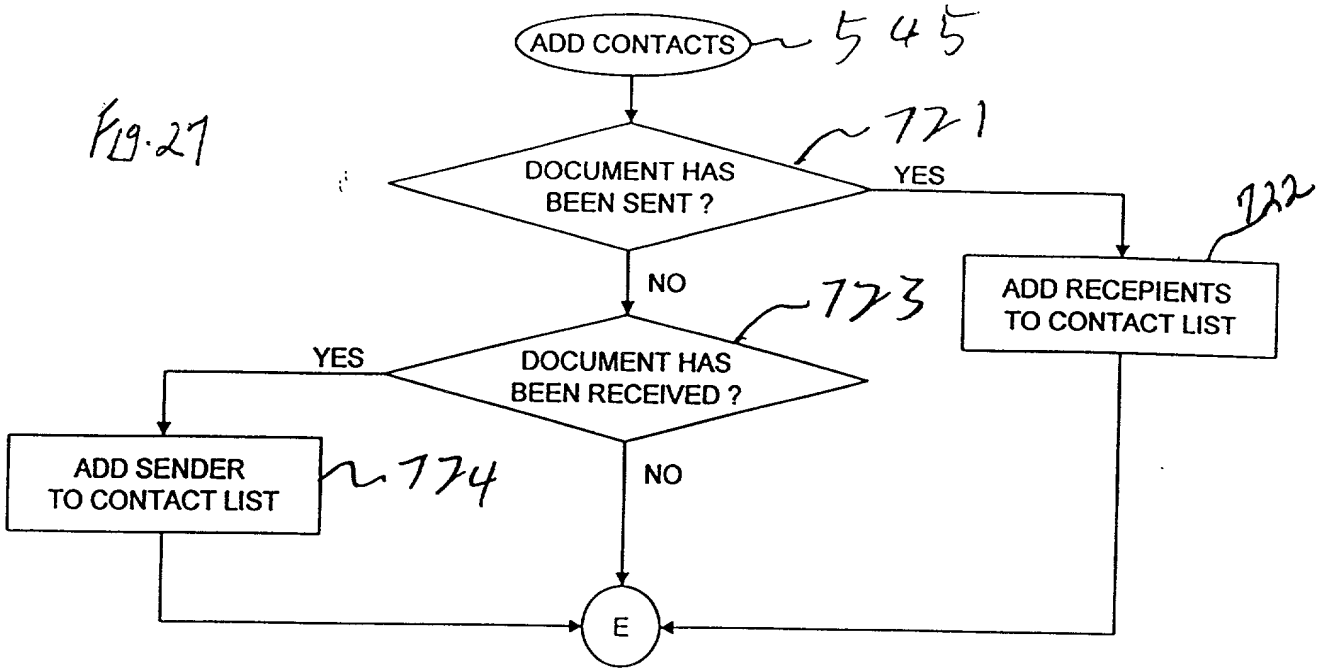
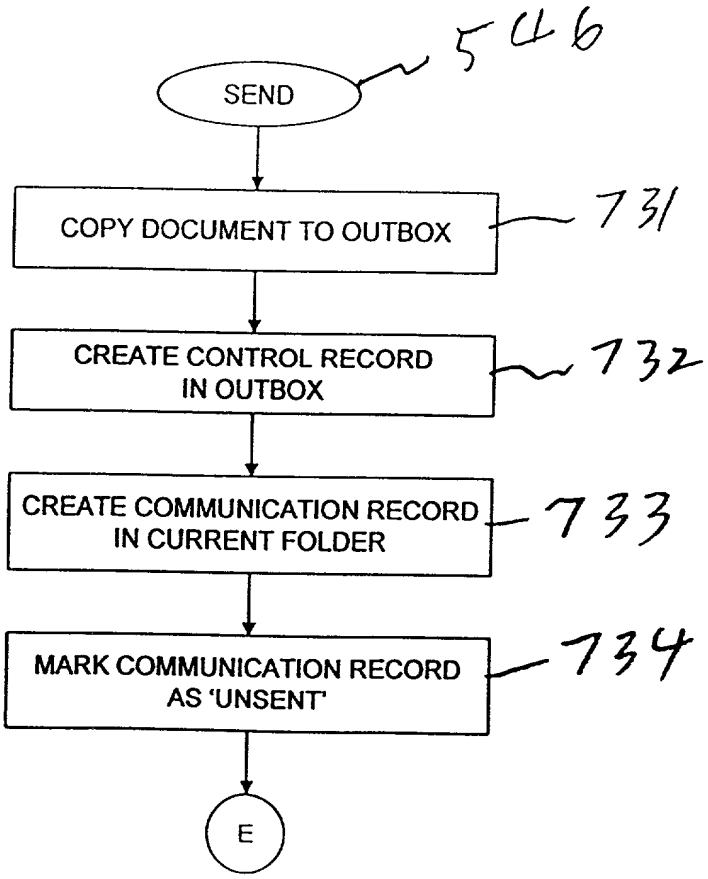
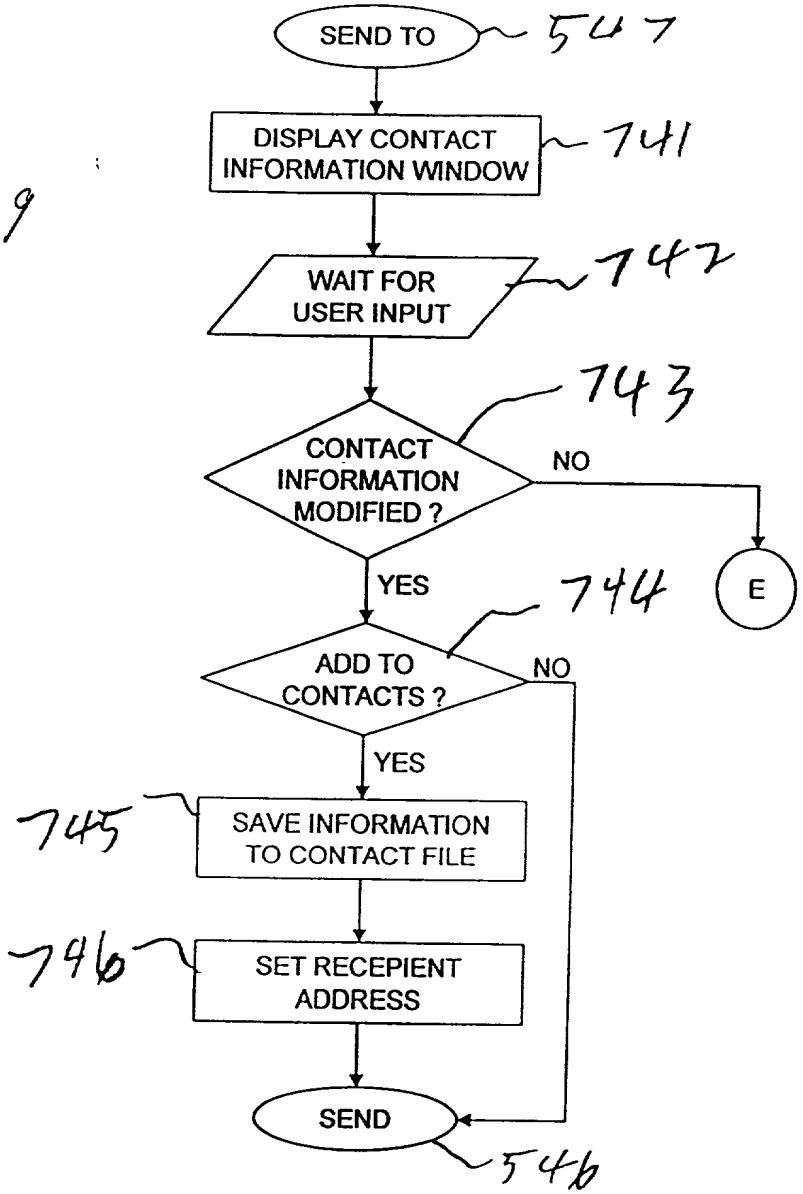

ADD CONTACTS
545
DOCUMENT HAS BEEN SENT ?
721
YES
722
ADD RECEPIENTS TO CONTACT LIST
NO
723
DOCUMENT HAS BEEN RECEIVED ?
YES
ADD SENDER TO CONTACT LIST
724
NO
E

Fig.28


SEND
546
COPY DOCUMENT TO OUTBOX
731
CREATE CONTROL RECORD IN OUTBOX
732
CREATE COMMUNICATION RECORD IN CURRENT FOLDER
733
MARK COMMUNICATION RECORD AS 'UNSENT'
734
E

Fig·29



AMENDED SHEET

Fig30A

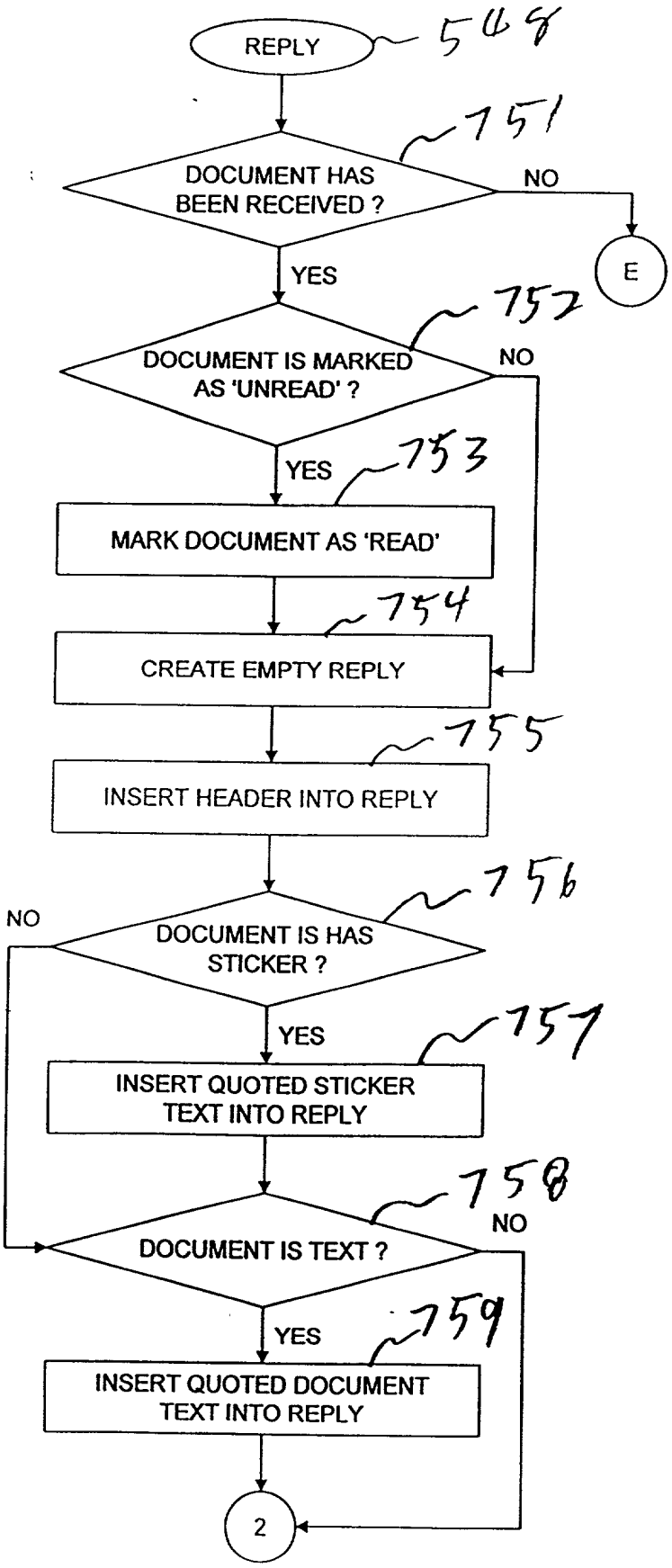

REPLY
568
751
DOCUMENT HAS BEEN RECEIVED ?
NO
E
YES
752
DOCUMENT IS MARKED AS 'UNREAD' ?
NO
YES
753
MARK DOCUMENT AS 'READ'
754
CREATE EMPTY REPLY
755
INSERT HEADER INTO REPLY
756
NO
DOCUMENT IS HAS STICKER ?
YES
757
INSERT QUOTED STICKER TEXT INTO REPLY
758
DOCUMENT IS TEXT ?
NO
YES
759
INSERT QUOTED DOCUMENT TEXT INTO REPLY
2

Fig 30B

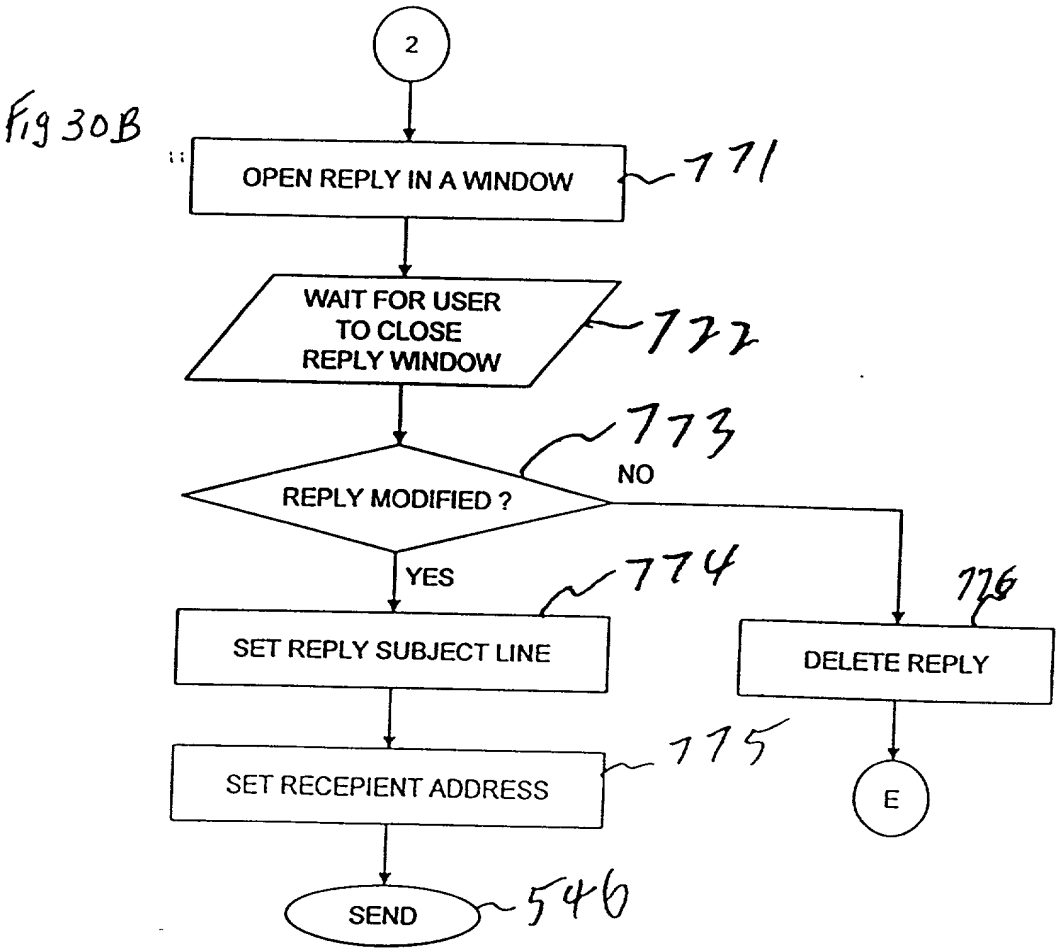


Fig 31

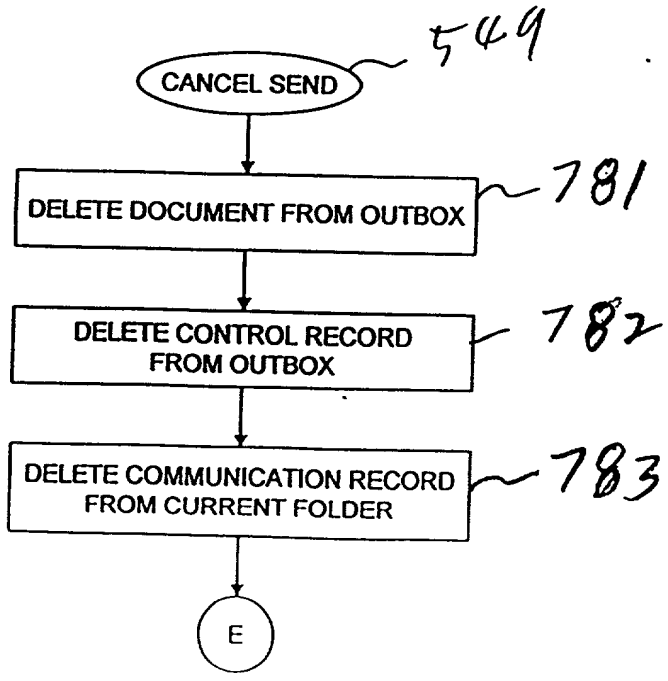
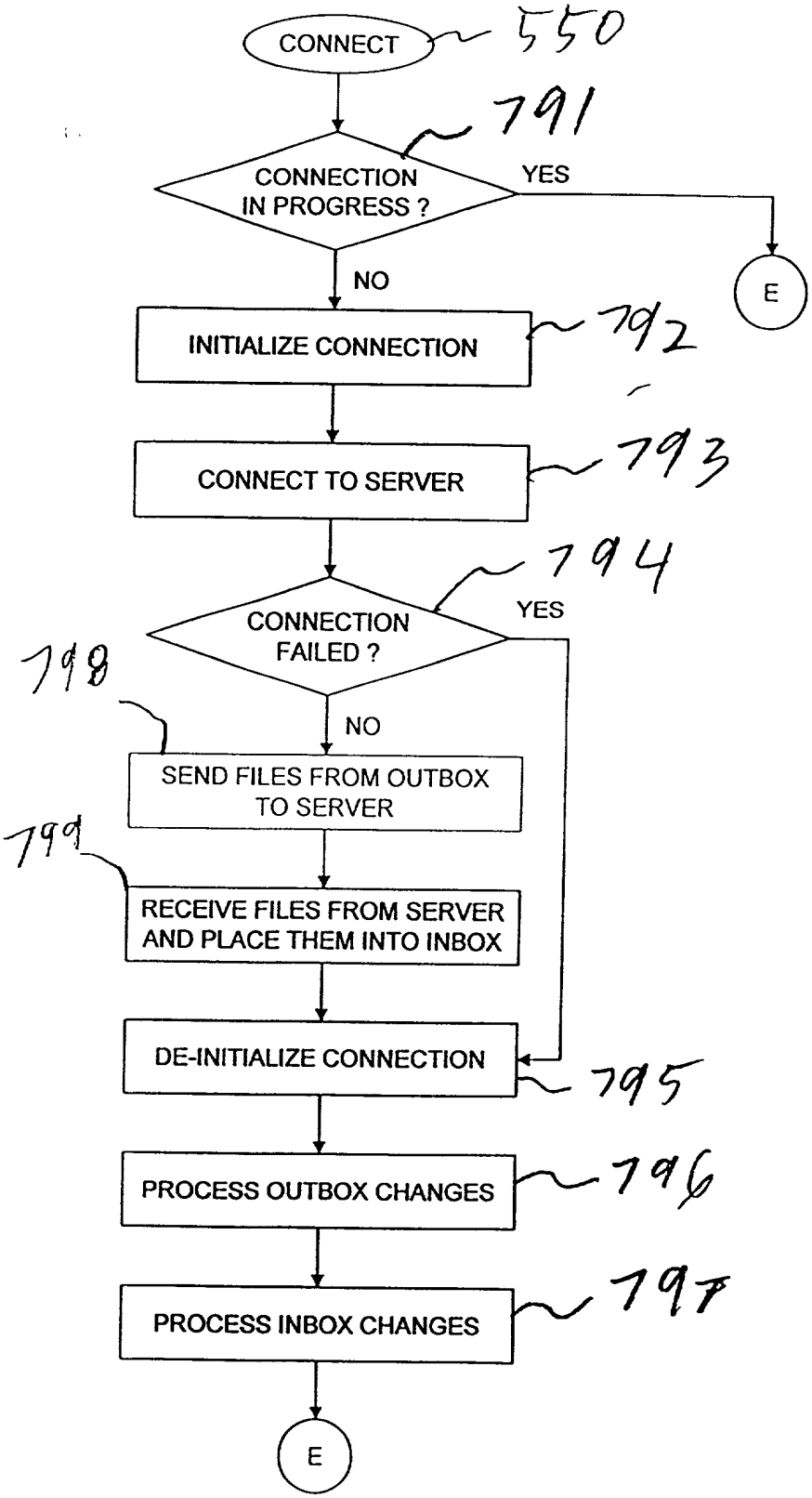
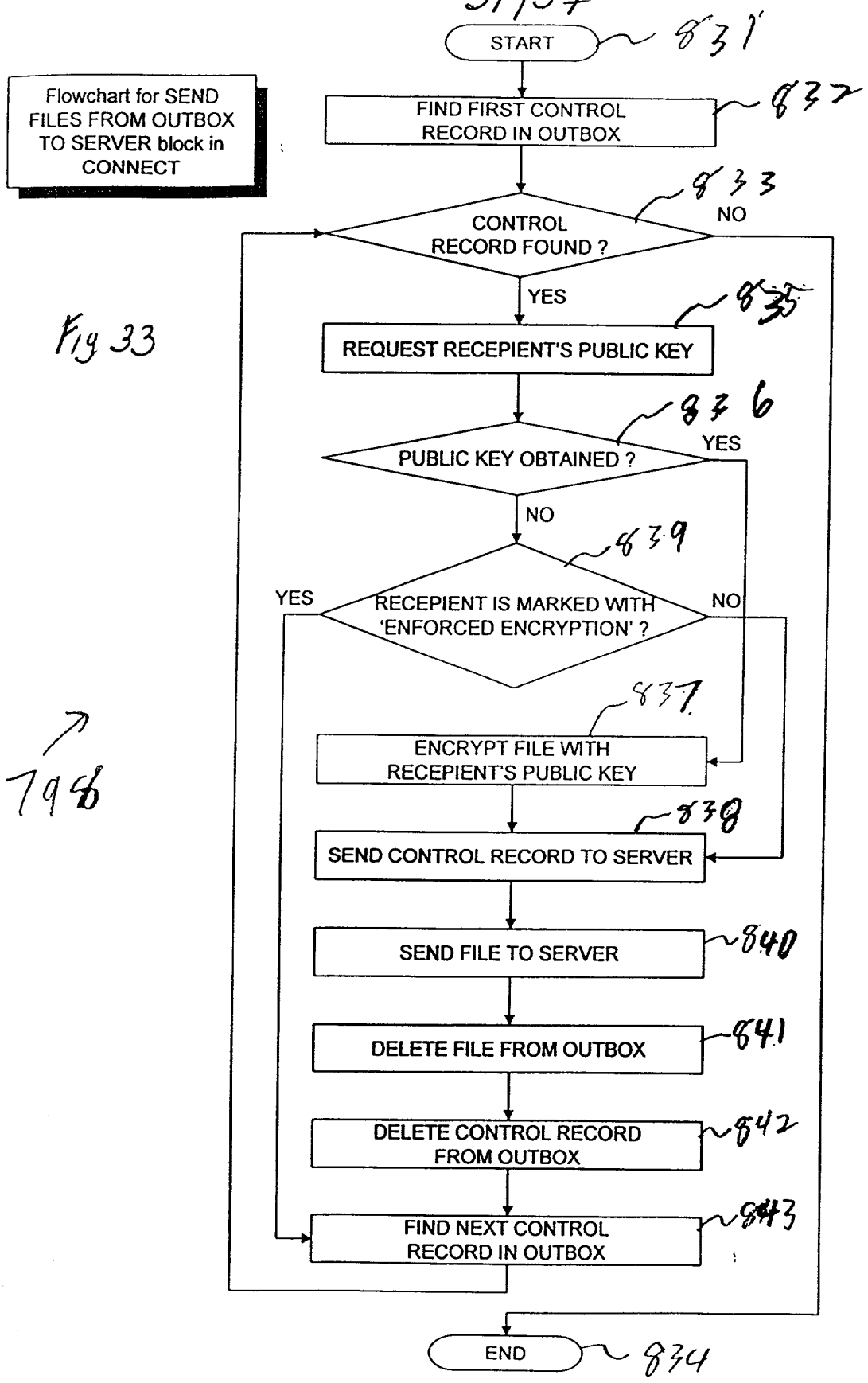


Fig. 32


CONNECT
550
791
CONNECTION IN PROGRESS ?
YES
NO
E
INITIALIZE CONNECTION
792
CONNECT TO SERVER
793
794
CONNECTION FAILED ?
YES
NO
798
SEND FILES FROM OUTBOX TO SERVER
799
RECEIVE FILES FROM SERVER AND PLACE THEM INTO INBOX
DE-INITIALIZE CONNECTION
795
PROCESS OUTBOX CHANGES
796
PROCESS INBOX CHANGES
797
E

Flowchart for SEND FILES FROM OUTBOX TO SERVER block in CONNECT

Fig 33



798

Flowchart for PROCESS OUTBOX CHANGES block in CONNECT

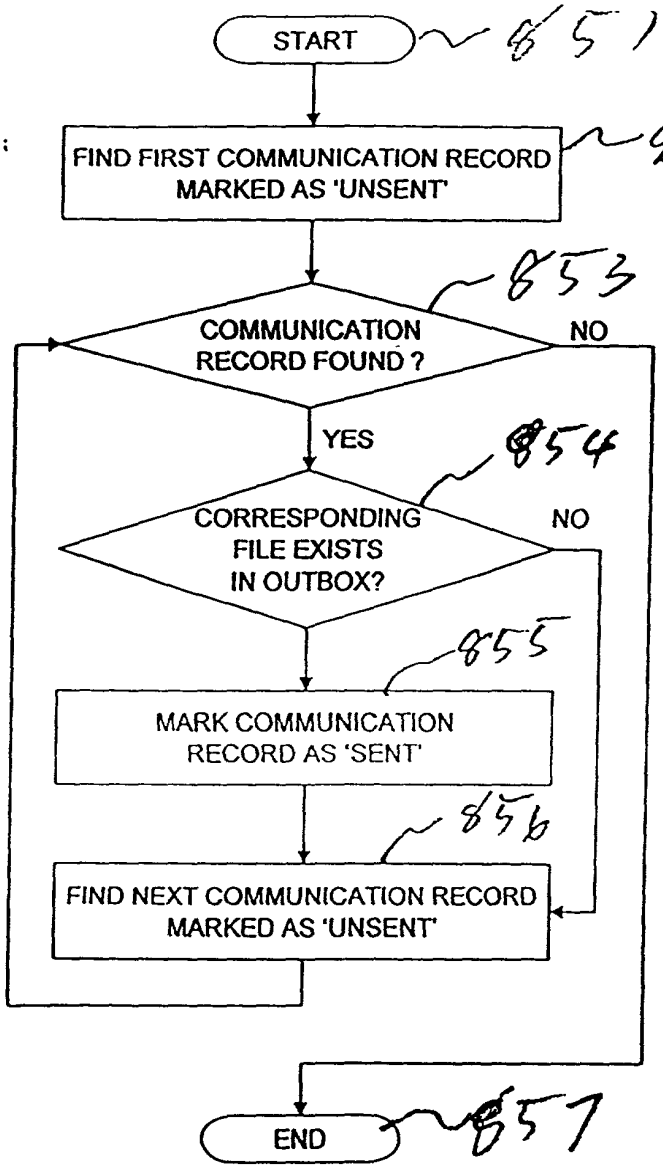


Fig. 34

796

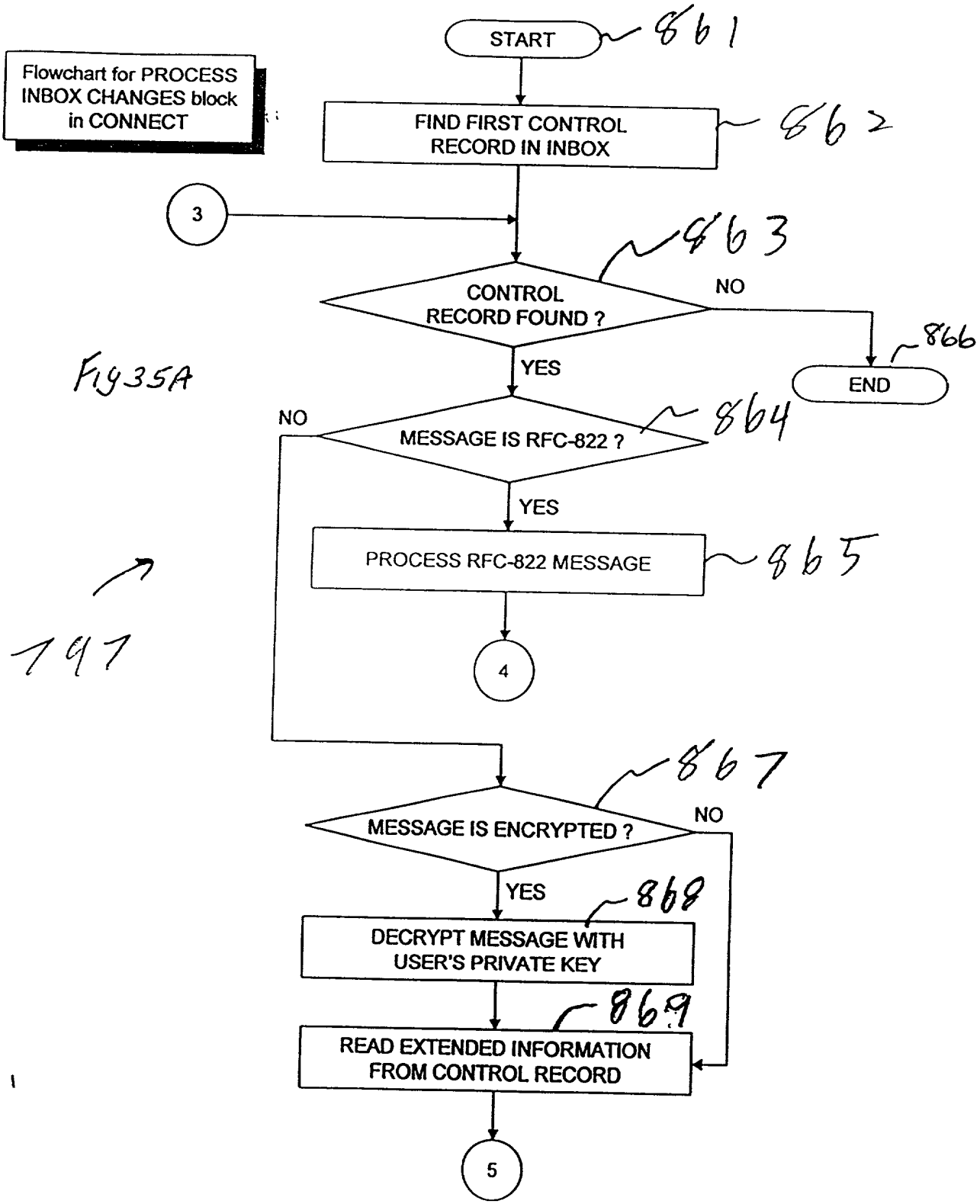
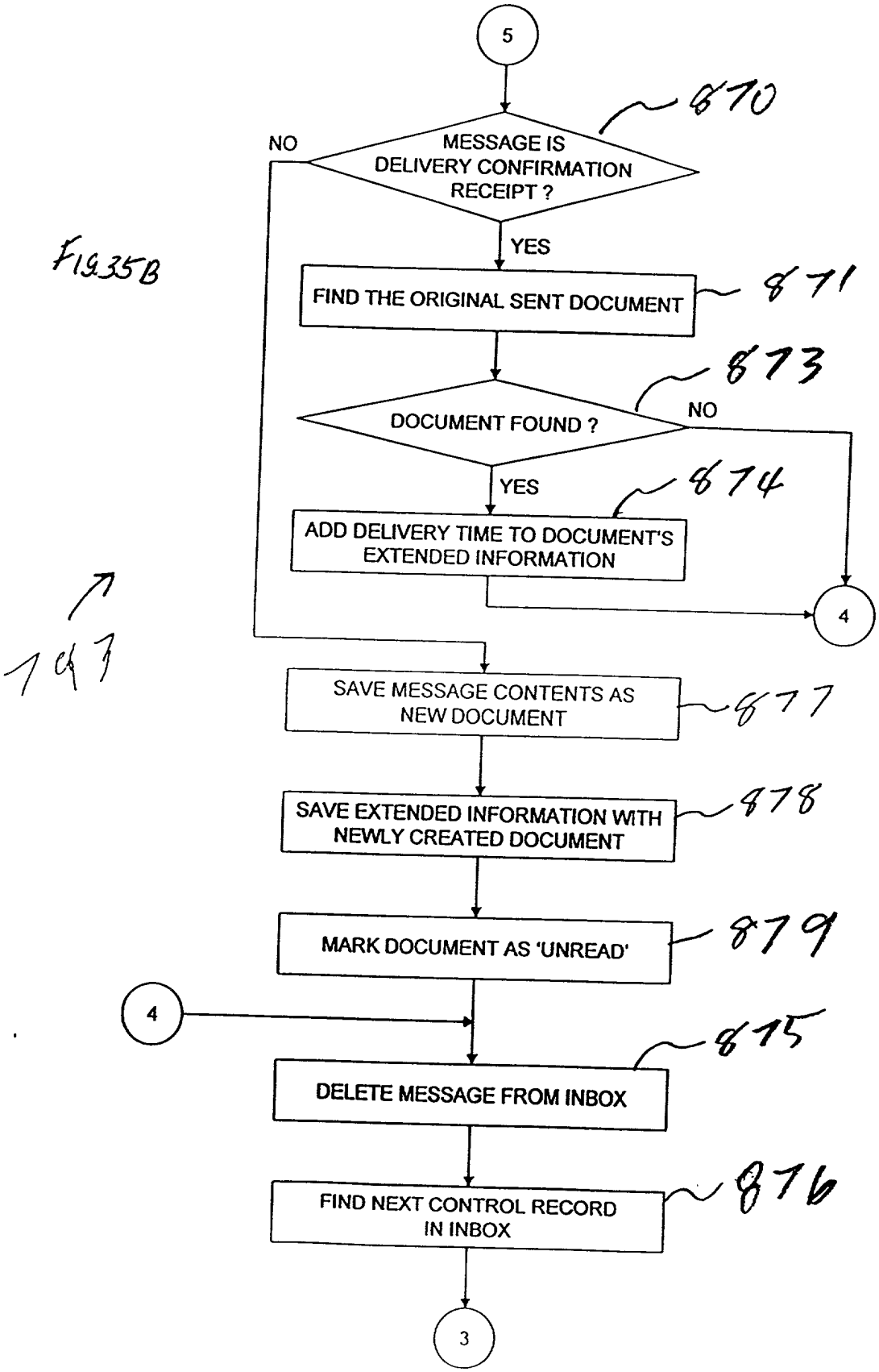

Flowchart for PROCESS INBOX CHANGES block in CONNECT
START
861
FIND FIRST CONTROL RECORD IN INBOX
862
3
863
CONTROL RECORD FOUND ?
NO
866
END
YES
MESSAGE IS RFC-822 ?
864
NO
YES
PROCESS RFC-822 MESSAGE
865
4
867
MESSAGE IS ENCRYPTED ?
NO
YES
868
DECRYPT MESSAGE WITH USER'S PRIVATE KEY
869
READ EXTENDED INFORMATION FROM CONTROL RECORD
5

Fig 35A

197

Fig 35B


5
870
MESSAGE IS DELIVERY CONFIRMATION RECEIPT ?
NO
YES
FIND THE ORIGINAL SENT DOCUMENT
871
873
DOCUMENT FOUND ?
NO
YES
874
ADD DELIVERY TIME TO DOCUMENT'S EXTENDED INFORMATION
4
147
SAVE MESSAGE CONTENTS AS NEW DOCUMENT
877
SAVE EXTENDED INFORMATION WITH NEWLY CREATED DOCUMENT
878
MARK DOCUMENT AS 'UNREAD'
879
4
875
DELETE MESSAGE FROM INBOX
FIND NEXT CONTROL RECORD IN INBOX
876
3

Flowchart for PROCESS RFC-822 MESSAGE block in PROCESS INBOX CHANGES

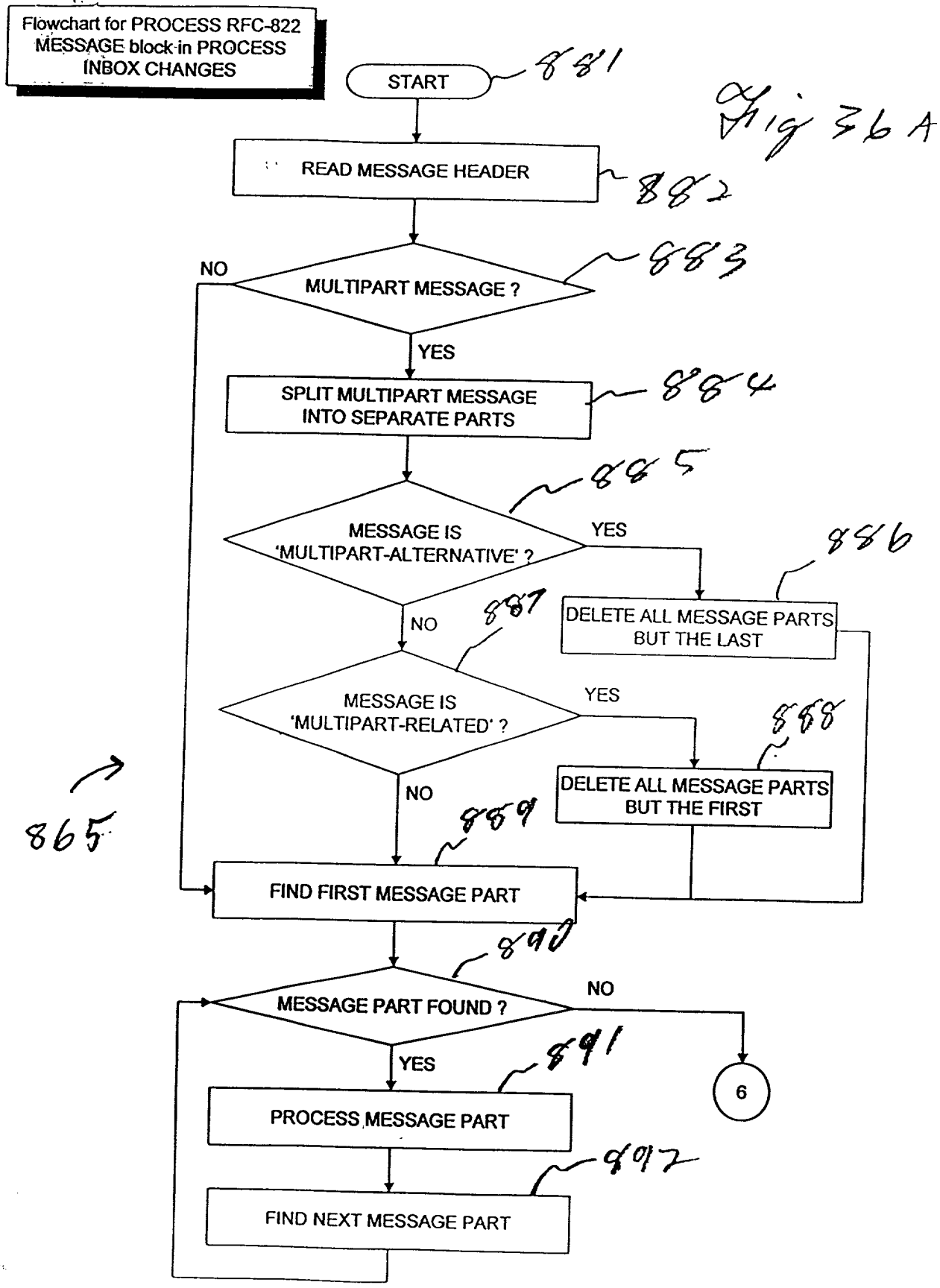
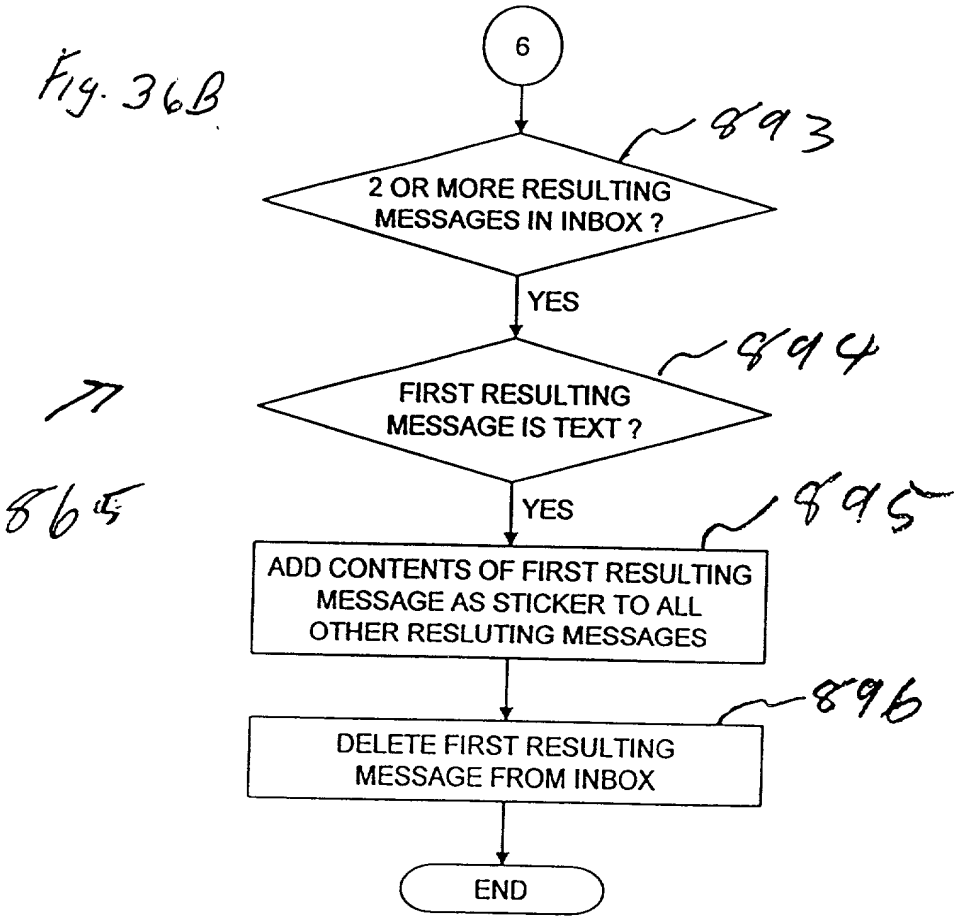


Fig 36A

Fig. 36B



77

865

Flowchart for PROCESS MESSAGE PART block in PROCESS RFC-822 MESSAGE

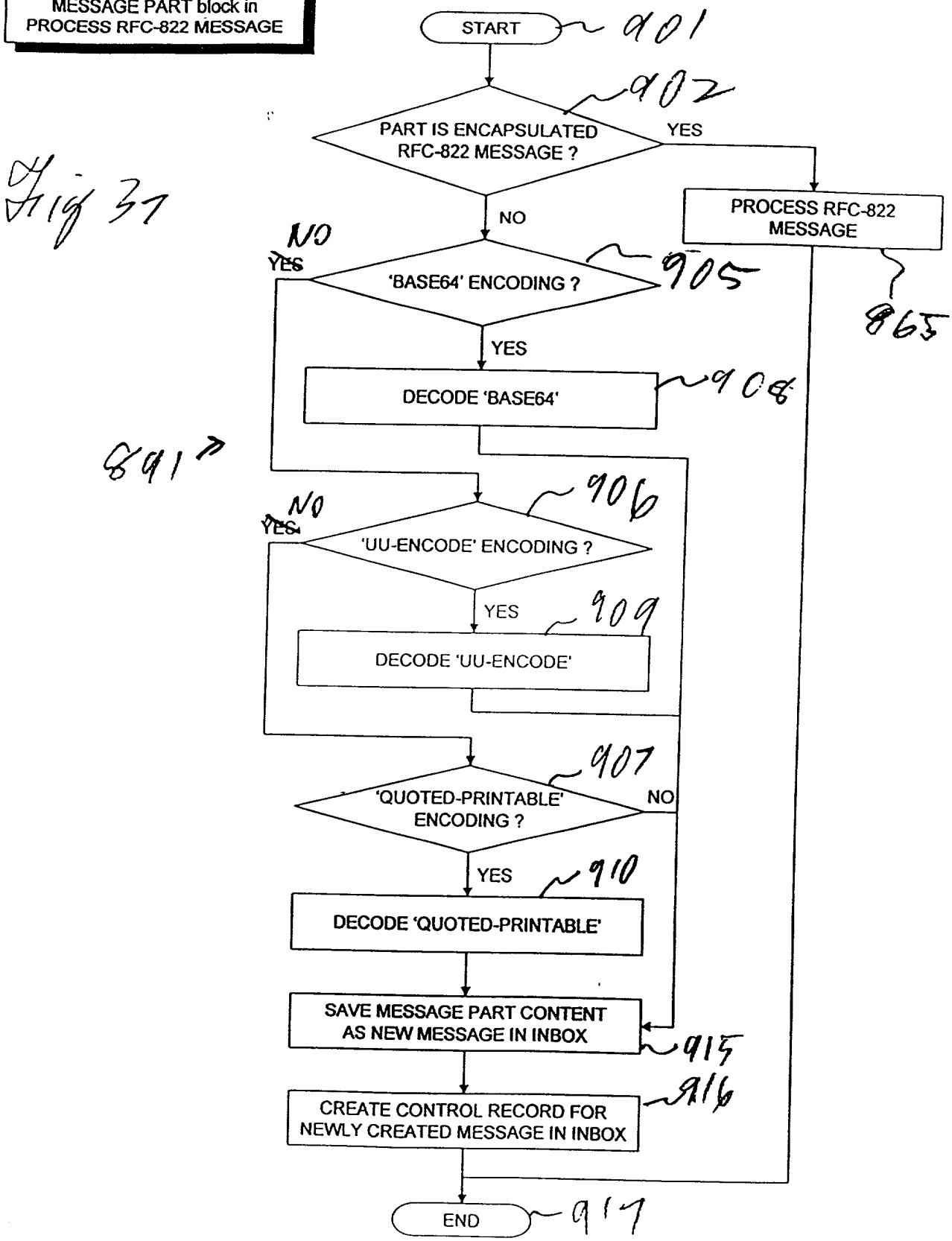


Fig 31